

Historic, Archive Document

Do not assume content reflects current scientific knowledge, policies, or practices.

55

UNITED STATES DEPARTMENT OF AGRICULTURE
Agricultural Research Service
and The Agricultural Experiment Stations
of the United States

Quality Characteristics of Cultivars and
New Germplasm of Wheat Bred and Grown in the
Western States^{1/}

Thirty-Eighth Annual Report
of the
Western Wheat Quality Laboratory

1985 Crop 2/

WRU No. 5802-20050-010

G.L. Rubenthaler, H.C. Jeffers, P.D. Anderson, A.D. Bettge,
D.A. Engle, and P.A. Sperry

Dec. 1986

- 1/ In cooperation with the Arizona, California, Idaho, Montana, Oregon, Utah, and Washington Agricultural Experiment Stations who developed and grew the experimental wheat selections studied.
- 2/ This is a Progress Report of cooperative investigations of the milling and baking characteristics of current commercial cultivars and new germplasm of wheat grown in the Western states. Interpretation of the data may be changed with further experimentation; therefore, data in this report are not for publication, display, or distribution without prior written approval of the Agricultural Research Service, USDA and the cooperating agencies concerned.

UNITED STATES DEPARTMENT OF AGRICULTURE

Agricultural Research Service

and The Agricultural Experiment Stations

of the United States

Quality Characteristics of Cultivars and
New Germplasm of Wheat Bred and Grown in the
Western States^{1/}

Thirty-Eighth Annual Report

of the

Western Wheat Quality Laboratory

1985 Crop ^{2/}

WRU No. 5802-20050-010

G.L. Rubenthaler, H.C. Jeffers, P.D. Anderson, A.D. Bettge,
D.A. Engle, and P.A. Sperry

Dec. 1986

- ^{1/} In cooperation with the Arizona, California, Idaho, Montana, Oregon, Utah, and Washington Agricultural Experiment Stations who developed and grew the experimental wheat selections studied.
- ^{2/} This is a Progress Report of cooperative investigations of the milling and baking characteristics of current commercial cultivars and new germplasm of wheat grown in the Western states. Interpretation of the data may be changed with further experimentation; therefore, data in this report are not for publication, display, or distribution without prior written approval of the Agricultural Research Service, USDA and the cooperating agencies concerned.

Thirty-Eighth Annual Report
of the
Western Wheat Quality Laboratory
1985 Crop

	<u>Page</u>
TABLE OF CONTENTS.....	ii
SUMMARY OF ACCOMPLISHMENTS.....	iii
INDEX OF NURSERIES.....	v
ABBREVIATION DESCRIPTION.....	vii
INTERPRETATION OF DATA.....	viii
INTRODUCTION.....	1
METHODS.....	2
PUBLICATIONS AND REPORTS (CY 86).....	12
INVITED TECHNICAL PRESENTATIONS.....	13
VISITORS.....	15
SUMMARY LIST OF EARLY GENERATION NURSERIES EVALUATED.....	16

Western Wheat Quality Laboratory
1985 Crop

SUMMARY OF ACCOMPLISHMENTS

Evaluation of end-use milling and baking quality of 2512 experimental wheat germplasm lines (F5 and later) grown in the western states and harvested as the 1985 crop were made. These included 463 (from WA), 621 (OR), 173 (ID), 911 (CA), 18 (MT), 95 from the Western Regional Nurseries, and 231 from commercial and/or other sources. To-date analysis and evaluation has been completed on about 400 selections from the 1986 crop. Criteria used to determine acceptable quality were standardized tests for flour yield, protein, ash and color; cookie diameter; loaf volume and bread crumb grain; dough mixing requirements and water absorption; Japanese sponge cake volume and texture; and Udon noodle yield, texture, color and score. About 23% of these selections were identified as having promising overall quality to fit their market class. Studies included materials from snowmold, foot rot, dwarf smut, yield trials, various crop management studies, and resistance to salinity stress. These represent new advances to have available improved agronomic germplasm with desirable quality for marketing. Results were sent directly to the cooperators, but can be found in the tables of data in Nursery Codes #1 through #86. See the Index of Nurseries (Page v) for nursery titles, locations and breeders.

The milling and baking properties of 1469 F4 generation samples from the 1985 crop breeding programs were evaluated. These experimental wheats were crossed to develop resistance to snow mold, foot rot, dwarf smut, rusts, and adaptability to various crop management practices, and represent all classes except durum and SRW. Tests used to characterize end-use quality were flour yield, break flour yield (soft wheats), kernel hardness, flour protein, mixograph, water absorption and dough properties, and alkaline water retention capacity. About 33% (482) were scored as promising to meet the overall quality of their market classes. About 2,000 micro (10g) F3 samples were also evaluated for milling quality. About 1,000 crosses made to germplasm sources for sprout resistance were analyzed for alpha-amylase activity. Several of these represent a new generation of germplasm which have both desirable agronomic and end-use quality and are candidates for advancing toward commercial release. Summary List of Early Generation Nurseries Evaluated is on page 16. No data is included.

In co-operation with a grant from the PNW Grains Council the milling and baking evaluation were made on commercial composites representing the wheat crop (1985) of WA, OR, and ID. The data was used in their marketing brochures. See Nursery Code number 021.

In cooperation with U.S. Wheat Associates, Inc., we participated in a Western White Export Cargo analysis project. The first set of samples was collected from out-going cargos in the fall and winter (Nursery Code #22) and contained 51 samples. The second group of 55 samples was collected in the spring (Nursery Code #86), and the third set of 55 samples was collected in the summer (Nursery Code #87). The object of the cargo sample project was to follow the end-use qualities of export shipments through the marketing year. Results show a high degree of uniformity.

In cooperation with the PNW Grains Council, 5 advanced experimental wheat selections were pilot milled and sent to a group of collaborators for evaluations. These include 4 mills in Japan, 2 in Korea, 1 in The Philippines, 1 in Morocco, 1 in Egypt, and 6 local milling and baking firms. Results of our analysis are in Nursery Code #74. Final publication of all collaborator results is not complete.

NURS CODE	NURSERY NAME	LOCATION	BREEDER	NOSAM	BLABNO	SDATE	BIRCO	COGO	CACO	NOCO	PBAR
001	ADVANCED SEPTORIA YIELD TRIALS	DAVIS, CA	D.G. GILCHRIST	18	850001	85212	1	0	0	0	9
002	GENOTYPE X SALINITY X NITROGEN (502)	CORCORAN, CA	C.O. QUALSET	204	850020	85212	1	0	0	0	10
003	WHEAT VARIETY TRIAL (565)	CORCORAN, CA	C.O. QUALSET	24	850224	85212	1	0	0	0	10
004	BUTTE CO. COMMON WHEAT TEST	BUTTE CO., CA	L.F. JACKSON	36	850248	85220	0	0	0	0	8
005	SUTTER CO. COMMON WHEAT TEST	SUTTER CO., CA	L.F. JACKSON	36	850284	85220	0	0	0	0	7
006	KINGS CO. COMMON WHEAT TEST	KINGS CO., CA	L.F. JACKSON	36	850320	85220	1	0	0	0	10
007	SOCETAL HARD RED VARIETIES	HAYWARD, CA	S.L. PURCELL	25	850356	85222	1	0	0	0	11
008	SOFT WHITE QUALITY SAMPLES	PULLMAN, WA	G.W. BRUEHL	6	850381	85224	0	1	0	0	10
009	SOFT WHITE QUALITY SAMPLES	WATERVILLE, WA	G.W. BRUEHL	24	850387	85224	0	1	0	0	9
010	HARD RED QUALITY SAMPLES	WATERVILLE, WA	G.W. BRUEHL	20	850411	85224	1	0	0	0	9
011	HARD RED QUALITY SAMPLES	PULLMAN, WA	G.W. BRUEHL	2	850431	85225	1	0	0	0	12
012	HARD RED QUALITY SAMPLES	RITZVILLE, WA	C.J. PETERSON	91	850433	85225	0	1	0	0	11
013	SOFT WHITE WINTER TRIALS	MOSCOM, ID	C.T. LIU	29	850524	85233	0	1	0	0	12
014	SOFT WHITE WINTER SAMPLES	MOSCOM, ID	C.T. LIU	32	850553	85233	1	0	0	0	13
015	HARD RED WINTER SAMPLES	HERMISTON, OR	F.V. PUMPHREY	6	850585	85242	1	0	0	0	12
016	OREGON HARD RED WINTER	OTHELLO, WA	G.W. BRUEHL	5	850591	85246	0	1	0	0	10
017	MISC. WHEAT	WALLA WALLA, WA	C.J. PETERSON	11	850596	85253	1	1	0	0	11
018	SOFT WHITE WINTER TRIALS	CULDESAC, ID	W.K. POPE	4	850607	85253	1	0	0	0	11
019	CANAS WHEAT BREEDERS	FRAZER, ID	K. KEHART	12	850611	85253	0	1	1	1	6
020	EXTENSION WINTER CEREAL VARIETY TRIAL	ROYAL SLOPE, WA	C.F. KONZAK	9	850623	85255	1	1	0	0	11
021	DUAL PURPOSE (2 FERTILIZER LEVELS)	ID, OR, WA	.	19	850632	85254	1	1	1	1	10
022	PNWCC CROP QUALITY SURVEY	.	.	51	850651	85262	1	1	1	1	8
023	U.S. WHEAT ASSOCIATES CARGO PROJECT	DAVIS, CA	C.O. QUALSET	47	850702	85269	1	0	0	0	11
024	ADVANCED COMMON WHEAT YIELD TRIAL 510	DAVIS, CA	C.O. QUALSET	20	850749	85269	1	0	0	0	11
025	ADVANCED COMMON WHEAT YIELD TRIAL 511	DAVIS, CA	C.O. QUALSET	13	850769	85269	1	0	0	0	11
026	ADVANCED COMMON WHEAT YIELD TRIAL 514	DAVIS, CA	C.O. QUALSET	21	850782	85269	1	0	0	0	11
027	ADVANCED COMMON WHEAT YIELD TRIAL 512	DAVIS, CA	C.O. QUALSET	10	850803	85269	1	0	0	0	11
028	ADVANCED COMMON WHEAT YIELD TRIAL 513	DAVIS, CA	C.O. QUALSET	96	850813	85269	1	1	0	0	12
029	ANZA X CAJEME LINES (N TREATMENT) 501	DAVIS, CA	C.O. QUALSET	33	850909	85275	1	1	0	0	9
030	ADVANCED WINTER WHEAT	PENDELTON, OR	C.R. RHODE	26	850942	85275	1	1	0	0	10
031	IRRIGATED WINTER WHEAT	PENDELTON, OR	C.R. RHODE	25	850968	85275	1	1	0	0	7
032	PRELIMINARY WINTER WHEAT	MORO, OR	C.R. RHODE	14	850993	85272	1	1	0	0	10
033	ADVANCED SPRING WHEAT	PENDELTON, OR	C.R. RHODE	10	851007	85272	1	0	0	0	11
034	ADDED ENTRIES TO RHRM	MORO/PENDELTON, OR	C.R. RHODE	14	851017	85275	0	1	1	1	10
035	ADDED ENTRIES TO RSMW	PENDELTON/MORO, OR	C.R. RHODE	5	851031	85284	0	1	1	1	11
036	JACQUOT'S CLUBS	HOOPER, WA	H.D. JACQUOT	20	851036	85309	0	1	1	1	9
037	CANADIAN WHEAT	CANADA	M.S. KALDY	11	851056	85317	1	0	0	0	14
038	HARD RED SPRING QUALITY	TETONIA, ID	D.W. SUNDERMAN	10	851067	85317	0	1	0	0	12
039	SOFT WHITE SPRING QUALITY	TETONIA, ID	D.W. SUNDERMAN	4	851077	85317	1	0	0	0	12
040	HARD RED SPRING QUALITY	TWIN FALLS, ID	D.W. SUNDERMAN	6	851081	85317	1	0	0	0	12
041	HARD RED WINTER QUALITY	ABERDEEN, ID	D.W. SUNDERMAN	29	851087	85318	0	1	1	1	11
042	WESTERN REGIONAL SOFT WHITE WINTER	OR, WA	.	32	851116	85318	1	0	0	0	12
043	WESTERN REGIONAL HARD RED WINTER	ID, MT, OR, WA	.	34	851148	85318	1	1	1	1	10
044	WESTERN REGIONAL SPRING	ID, MT, OR, WA	.	8	851182	85318	1	0	0	0	12
045	HARD RED WINTER WHEAT QUALITY COUNCIL	KANSAS	.	10	851190	85329	1	0	0	0	12
046	HARD RED WINTER ELITE YIELD TRIAL	PENDELTON, OR	W.E. KRONSTAD	14	851200	85329	0	1	1	1	11
047	SOFT WHITE WINTER ELITE YIELD TRIAL	PENDELTON, OR	W.E. KRONSTAD	20	851214	85329	1	0	0	0	11
048	HARD RED WINTER REPLICATED ADVANCED	PENDELTON, OR	W.E. KRONSTAD	37	851234	85329	0	1	0	0	11
049	SOFT WHITE WINTER REPLICATED ADVANCED	PENDELTON, OR	W.E. KRONSTAD	94	851271	85329	0	1	0	0	8
050	SOFT WHITE WINTER PRELIM. YIELD TRIAL	CORVALLIS, OR	W.E. KRONSTAD	44	851363	85329	1	0	0	0	11
050	HARD RED WINTER PRELIM. YIELD TRIAL	PENDELTON, OR	W.E. KRONSTAD								

NURS CODE	NURSERY NAME	LOCATION	BREEDER	NOSAM	BLABNO	SDATE	BRCO	COOO	CAOO	NOCO	PBAR
051	HARD RED WINTER REPLICATED PRELIM.	PENDLETON, OR	W.E. KRONSTAD	21	851409	85329	1	0	0	0	12
052	HARD RED WINTER WHEAT CROSSING BLOCK	PENDLETON, OR	W.E. KRONSTAD	19	851430	85329	1	0	0	0	11
053	HARD WHITE WINTER PRELIM. YIELD TRIAL	PEND/OORV., OR	W.E. KRONSTAD	22	851449	85329	0	1	0	0	10
054	HARD RED SPRING ELITE	PENDLETON, OR	W.E. KRONSTAD	29	851471	85329	1	0	0	0	13
055	HARD RED SPRING ELITE	CORVALLIS, OR	W.E. KRONSTAD	29	851500	85329	1	0	0	0	9
056	SOFT WHITE SPRING ELITE	MADRAS, OR	W.E. KRONSTAD	14	851529	85329	0	1	0	0	11
057	SOFT WHITE SPRING ELITE	CORVALLIS, OR	W.E. KRONSTAD	10	851543	85329	0	1	0	0	8
058	HARD RED SPRING ELITE	MORO, OR	W.E. KRONSTAD	29	851553	85329	1	0	0	0	13
059	HARD RED SPRING ELITE	MADRAS, OR	W.E. KRONSTAD	28	851582	85329	1	0	0	0	11
060	PLANT BREEDERS 1 WHEATS	CULDESAC, ID	W. MCPROUD	38	851610	85345	0	1	1	0	11
061	ADVANCED SPRING WHEAT	PENDLETON, OR	C.R. ROHDE	6	851648	86002	1	1	1	1	13
062	ADVANCED SPRING WHEAT	PENDLETON, OR	C.R. ROHDE	6	851656	86002	1	1	1	1	11
063	PRELIMINARY WINTER WHEAT	PENDLETON, OR	C.R. ROHDE	23	851662	86002	1	0	0	0	9
064	PRELIMINARY SOFT WHITE WINTER	MORO, OR	C.R. ROHDE	15	851685	86002	1	0	0	0	10
065	PRELIMINARY HARD RED WINTER	MORO, OR	C.R. ROHDE	12	851700	86002	0	1	0	0	10
066	ADVANCED HRW I	LIND, WA	E. DONALDSON	15	851712	86022	1	0	0	0	12
067	ADVANCED HRW III	LIND, WA	E. DONALDSON	13	851727	86022	1	0	0	0	12
068	STATE HRW	LIND, WA	E. DONALDSON	17	851740	86022	1	0	0	0	11
069	WEST. PLANT BREEDERS SOFT WHITE SPRING	MONTANA	D. BIGGERSTAFF	10	851757	86028	0	1	1	0	10
070	GREAT PLAINS CROP MANAGEMENT	GERALDINE, MT	W. JOHNSON	8	851767	85031	1	0	0	0	14
071	LAST DATE OF WATER SERIES	ONTARIO, OR	M.F. KOLDING	9	851775	86035	1	1	0	0	11
072	ADVANCED HRW II	LIND, WA	E. DONALDSON	10	851784	86038	1	0	0	0	11
073	PRELIMINARY WINTER	LIND, WA	E. DONALDSON	179	851794	86038	1	1	0	0	12
074	PNW COLLABORATIVE STUDY	FULL, LIND, R.S., WA	.	9	851973	86043	1	1	1	1	11
075	ANHEUSER-BUSCH SAMPLES	ST. LOUIS, MO	B. O'CONNELL	6	851982	86150	1	0	0	0	11
076	UNITED ARAB EMIRATES PILOT STUDY	.	.	8	851988	86180	1	1	1	1	10
077	ADVANCED BREAD WHEAT YIELD TRIAL	DAVIS, CA	C.O. QUALSET	18	350001	86032	1	0	0	0	10
078	INT'L SPRING WHEAT YIELD NURSERY	DAVIS, CA	C.O. QUALSET	18	350019	86032	1	0	0	0	12
079	ELITE BREAD WHEAT YIELD TRIAL	DAVIS, CA	C.O. QUALSET	19	350037	86032	1	0	0	0	12
080	17TH INT'L WINTER WHEAT PERFORMANCE	DAVIS, CA	C.O. QUALSET	4	350056	86032	1	0	0	0	8
081	ADVANCED CLUB WHEAT YIELD TRIAL	DAVIS, CA	C.O. QUALSET	14	350060	85032	0	1	1	0	10
082	OBSERVATION NURSERY	CORCORAN, CA	C.O. QUALSET	251	350074	86032	1	0	0	0	11
083	DRILL STRIPS	LIND, PULLMAN, WA	.	46	350325	86058	1	1	1	1	11
084	DRILL STRIPS	LIND, PULLMAN, WA	.	10	350371	86058	1	1	1	1	14
085	CHINA WHEAT	MOSCOW, ID	C.T. LIU	27	350381	86070	1	1	0	0	13
086	U.S. WHEAT ASSOCIATES CARGO SAMPLING	PORTLAND, OLYMPIA	.	55	350408	86153	0	1	1	1	9

KEY: NOSAM = NUMBER OF SAMPLES BLABNO = BEGINNING LAB NUMBER SDATE = DATE SAMPLES RECEIVED BRCO = BREAD CODE

COOO = COOKIE CODE CACO = CAKE CODE NOCO = NOODLE CODE PBAR = NURSERY MEAN PROTEIN

ABBREVIATION DESCRIPTION

We have implemented a computer program to store, calculate, and retrieve our milling and baking data. The following is a list of abbreviations used as column headings in the following tables of data.

- NURSCO - Nursery Code Number (located upper left corner of table).
 LABNUM - Laboratory Number (first two digits crop year).
 VAR - Variety or selection name.
 IDNO - CI or Selection Identification Number.
 TWT - Test weight in lbs/bu.
 FASH - Flour ash percent at 14% moisture basis.
 FYELD - Percent of flour obtained.
 MSCOR - Milling score.
 FPROT - Flour protein percent at 14% moisture basis.
 FABSC - Farinograph water absorption corrected to 14% moisture basis.
 FPEAK - Farinograph mixing peak time in minutes.
 FSTAB - Farinograph stability in minutes.
 BABS - Bake water absorption at 14% moisture basis.
 BABSC - Bake absorption corrected to mean protein of nursery.
 MTIME - Optimum mixing time in minutes.
 LVOL - Bread loaf volume observed in cc's.
 LVOLC - Bread loaf volume (cc) corrected for protein to the mean protein of the nursery. (See table 1 or 2, page ix)
 BCRGR - Bread crumb grain rating code. (See following CODE ratings & Meanings.)

CODE	MEANING
1	Excellent (S*)
2	Satisfactory (S)
3	(Q-S)
4	Questionable-Satisfactory (Q-S)
5	(Q-S)
6	Questionable (Q)
7	(Q-Ø)
8	Questionable-Unsatisfactory (Q-U)
9	Unsatisfactory (U)

- CODI - Cookie diameter in cm's.
 CODIC - Cookie diameter (cm) corrected for protein to the mean protein of the nursery. (See table 1 or 2, page ix)
 VISC - Brookfield viscosity (observed)
 VISCC - Brookfield viscosity corrected for protein to the mean protein of the nursery.
 CAVOL - Japanese Sponge Cake Volume in cc's.
 SCSCOR - Sponge cake score (scale 1-100)
 WTIN - Noodle weight increase (percent).
 NYELD - Noodle yield.
 NOSCORE - Noodle score (1-100)
 MABS - Mixograph absorption at 14% moisture (%).
 MABSC - Mixograph absorption corrected for protein (%).
 MTYPE - Mixograph Type - From Mixograph Reference Chart. (See pages 7-8.)

RATE - Overall Rating when used see table 3.
 RMKS - Remarks.

Western Wheat Quality Laboratory

INTERPRETATION OF DATA

As in the past reports, decisions were based on the results of the tests after adjustment to an average protein content of the nursery using correction factors derived from several years of data on particular varieties and/or classes of wheat. These correction factors and scale for ranking codes can be found in the following tables 1-3.

CORRECTION FACTORS - TABLE 1

VTN	VARIETY	(VC) LOAF VOLUME	(CC) COOKIE
1	Anza	61	0
2	Burt	51	.078
3	Coulee	76	.070
4	Fortuna	64	0
5	Gaines	38	.136
6	Hyslop	0	.137
7	Inia 66	68	0
8	Itana	60	0
9	Kharkof	57	0
10	Luke	0	.085
11	Marfed	61	.098
12	McCall	52	0
13	McDermid	0	.106
14	Moro	0	.094
15	Nugaines	62	.118
16	Omar	0	.083
17	Paha	0	.037
18	Sprague	0	.062
19	Springfield	0	.042
20	Twin	0	.149
21	Yamhill	0	.124
22	Wanser	69	0
23	Wared	62	0

Variety name (VAR) not found or where the value is zero in Table 1, use correction factor for class of sample in Table 2.

VTN = Computer system variety number

CORRECTION FACTORS - TABLE 2

CLASS	(VC) LOAF VOLUME	(CC) COOKIE
SWW	60	.110
SWS	60	.110
CLUB	55	.071
HRW	62	.080
HRS	62	.080
HWW	62	.080
HWS	62	.080

RANKING AND RATING CODES - TABLE 3

CODE BREAD CRUMB GRAIN	MEANING
1	Excellent (S*)
2	Satisfactory (S)
3	(Q-S)
4	Questionable-Satisfactory (Q-S)
5	(Q-S)
6	Questionable (Q)
7	(Q-U)
8	Questionable-Unsatisfactory (Q-U)
9	Unsatisfactory (U)

Thirty-Eighth Annual Report of the
Western Wheat Quality Laboratory

1985 Crop

G.L. Rubenthaler, H.C. Jeffers, P.D. Anderson, A.D. Bettge,
D.A. Engle, and P.A. Sperry 1/, 2/

INTRODUCTION

This is the Thirty-Eighth Annual Report of the Western Wheat Quality Laboratory of cooperative investigations with breeder, geneticists, and pathologists in the seven Western states to evaluate the milling and baking quality characteristics of experimental wheat selections grown and harvested as the 1985 crop. These investigations included several market classes and sub-classes of wheat which are commercially grown in the Pacific Northwest and the Western region and relates to their quality for commercial production and consumer acceptance. These studies deal with the physical-chemical flour properties associated with a wheat's suitability for commercial pastry and bread products.

The nurseries have been arranged in nurseries (Nursery Index in Table of Contents) and the varieties and selections are listed in the tables in order of their assigned Laboratory Number. Mixograms were run on all samples evaluated, but none were reproduced for inclusion in this report. Alternately, each mixogram was characterized by type as described in the Methods Section.

1/ Research Food Technologist, Research Food Technologist, Physical Science Technician, Physical Science Technician, Physical Science Technician, and Clerk-Typist, respectively, U.S. Department of Agriculture, Agricultural Research Service, Western Region, assigned to the Western Wheat Quality Laboratory, Wheat Genetics, Quality, Physiology and Disease Unit, Pullman, WA.

2/ Credit is due Garrison King, Washington State University Laboratory Technician II for the flour milling and physical-chemical determinations made on early generation material. This work was supported by grant funds from the Washington Wheat Commission.

METHODS USED BY USDA, WESTERN WHEAT QUALITY LABORATORY

All wheat samples were fumigated when received with 800 cc methyl bromide/50 gal. drum overnight and then aerated, cleaned, scoured, test weight (1, Method 84-10) determined, sub-sampled for approximate analysis, and placed in the storeroom until experimentally milled by the follow methods:

Buhler Milling: All of the samples of Advanced and Regional Nurseries were milled on a Buhler, pneumatic, laboratory mill. The samples were tempered to a predetermined moisture content ranging from 14.0% to 16.0%, depending on the hardness and known flour-bolting properties. The harder wheats require the most water. Thus, the grain was conditioned so that the most rapid and most complete separation of endosperm could be made. The temper water contained a wetting agent (.1% Aerosol OT) to hasten moisture penetration and the tempered wheat was allowed to rest for 16-24 hours before milling to permit uniform distribution of the moisture. An additional 0.5% water was added 15-20 minutes prior to milling. The Buhler experimental mill schematic flow is shown in Figure 1.

All six flour streams were combined to make a straight-grade flour. The first and second break and first and second reduction streams were combined for a patent flour. All straight-grade flour was rebolted on a 120 stainless steel wire screen and blended thoroughly.

Flour Yield: The percent of the total products recovered as straight-grade white flour.

Milling Time: The minutes required to mill a 2000 gram sample with the Buhler experimental mill and obtain a normal separation of bran, shorts, and flour. Time is determined by visual observations and adjustments by an experienced miller.

Milling Score: Calculated as follows:

$$100 - [(80 - \text{flour yield}) + 50 (\text{flour ash} - .30) + .48 (\text{milling time} - 12.5) + .5 (65 - \% \text{ long patent}) + .5 (16 - \text{1st tempering moisture})]$$

Modified Quadurmat Milling Method: The preliminary nurseries were experimentally milled on Modified Quadurmat system (500 g). The procedure was described in the 27th Annual Report, Oct. 1976 (Pgs. 1-14). Conversion of the data to give a predicted Buhler flour yield and milling score was done with the following linear equations:

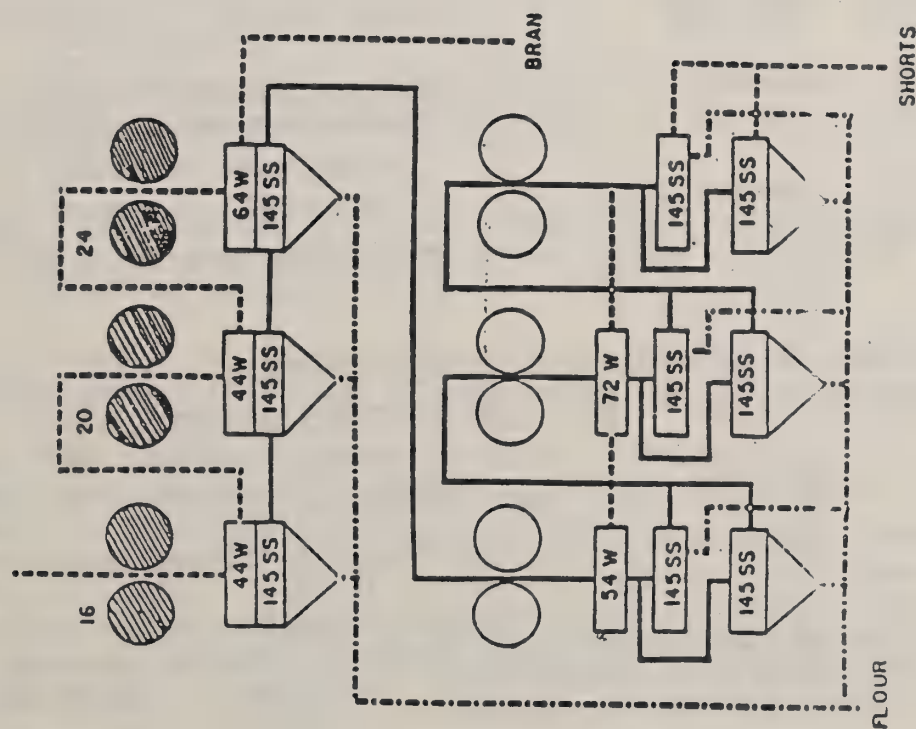
Flour YieldMilling Score

Soft Wheat ($y = 14.0671 + .83474X$)	Soft Wheat ($y = -21.60185 + 1.27367$
Hard Wheat ($y = 13.4166 + .83298X$)	Hard Wheat ($y = -3.43818 + 1.0448X$

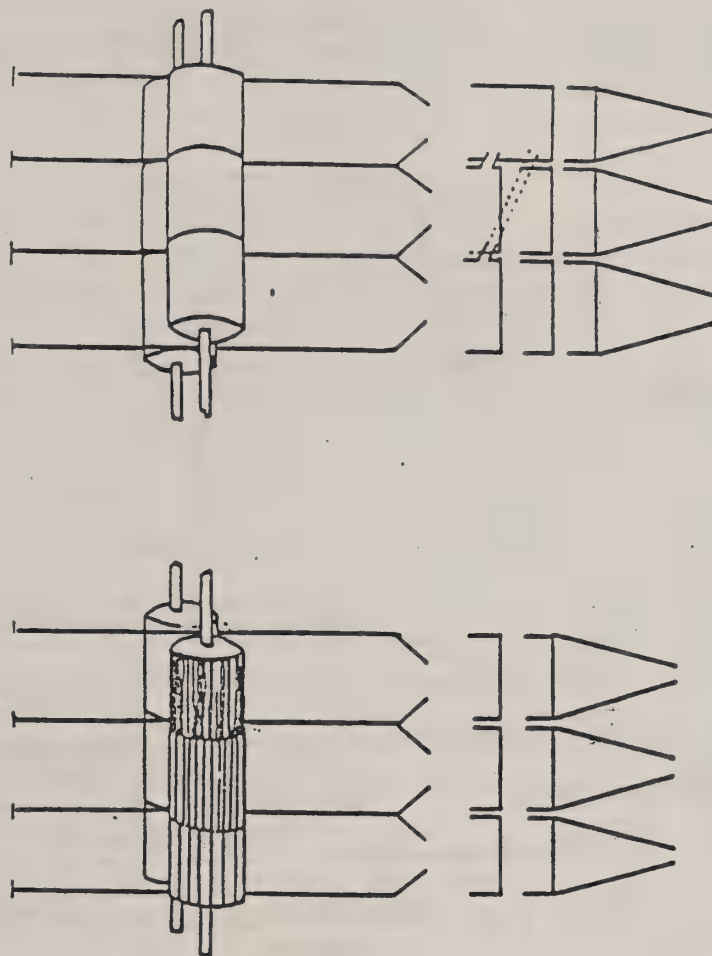
The Modified Procedure is schematically shown in Figure 2. Modifications include those described by Jeffers and Rubenthaler (11).

BUHLER EXPERIMENTAL MILL

Clean Tempered
Wheat



DIAMETER - 6 INCHES
ROLLS: DIFFERENTIAL - 2 TO 1
SURFACE - 300 SQUARE INCHES
BOLTING SURFACE - 280 SQUARE INCHES

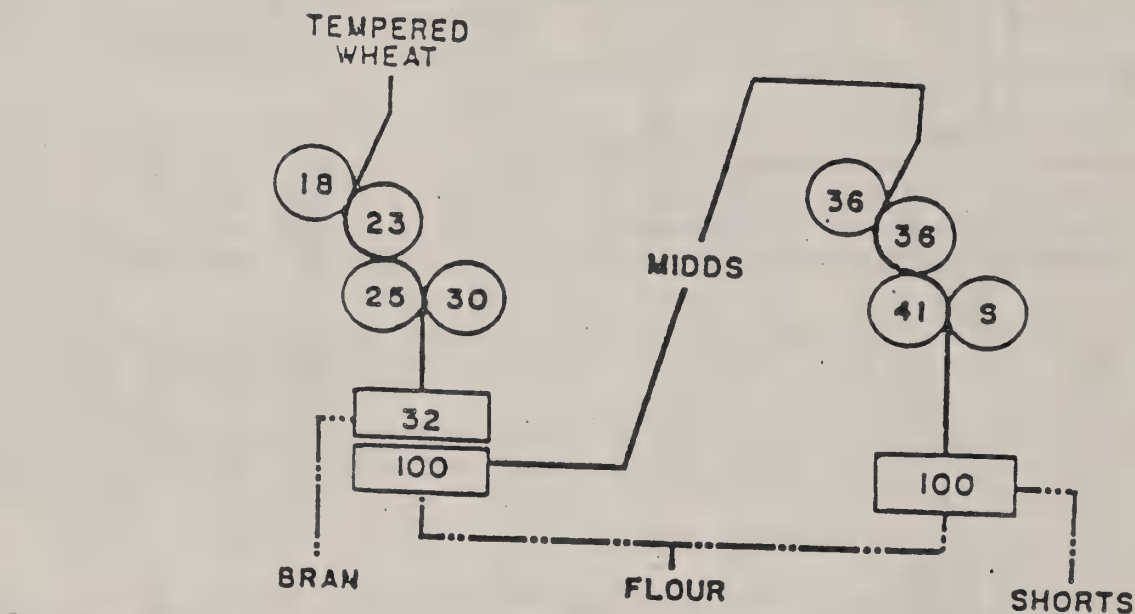


WHEAT TYPE	FEED RATE (G./MIN.)	FLOUR YIELD (%)	FLOUR ASH (%)
WHITE CLUB	145 - 160	73 - 75	0.39 - 0.41
HARD RED WINTER	115 - 130	68 - 73	.35 - .42
COMMON (SOFT) WHITE	90 - 120	67 - 72	.35 - .43

WHEAT TYPE, FEED RATE, FLOUR YIELD, AND FLOUR ASH CONTENT OF BUKHLEH-GRADUATED FLOUR

Figure 1. Schematic flow of the Buhler experimental mill showing a range of the average feed rates, flour yields, and flour ash of the various classes of wheat. Roll settings are varied for optimum clean-up and reduction of the stock, and feed rates according to the bolting and reduction properties.

MODIFIED QUADRUMAT SR. MILLING PROCEDURE



BREAK UNIT

BRABENDER QUADRUMAT JR. WITH
QUADRUMAT SR BREAK ROLLS

REDUCTION UNIT

BRABENDER QUADRUMAT SR.
REDUCTION HEAD

ROLLS:

DIAMETERS: 2.8 INCHES

SPEED:

FAST ROLLS: 1200 RPM

SLOW ROLLS: 560 RPM.

DIFFERENTIAL: 2.14 TO 1

TEMPER:

TO 15% FOR 24 HOURS WITH
WETTING AGENT

SIFTERS: 8 INCH TYLER TESTING
SIEVES ON ZELENY SEDIMENTATION
SIEVE SHAKERS

SIFTING SCHEDULE

BREAK STOCK:

BRAN: REMOVED AFTER 1 MIN.

MIDDLINGS: REMOVED AFTER AN
ADDITIONAL 2 MIN. (3 MIN. TOTAL)

REDUCTION STOCK: 3 MIN.

SAMPLE SIZE: 100-250 GRAMS TEMPERED WHEAT
(HELD CONSTANT WITHIN EACH COMPARISON GROUP)

OUTPUT: 5-7 SAMPLES PER HOUR

Figure 2. Semi micro experimental mill flow with the roll corrugations per inch. The break rolls have corrugation spirals of 1.25, 1.75, 1.88, and 1.25 inch/ft. in progressive order, and the middling reduction roll spirals are 1.25, 1.25, 1.25, and frosted smooth. Roll spacings for first, second and third break are 0.035, 0.0035, and 0.002 inch respectively. The middling rolls are set at 0.0015, 0.0020 and 0.0015 inch respectively.

Semi Micro Flour Quality:* Wheats milled on the semi-micro mill which gave satisfactory flour yields were evaluated by the following tests and all others with unsatisfactory milling properties were discarded: NIR protein, mixograph (3, 9), and AWRC test (14,17) to distinguish whether they fit the sub-class of club or soft common and/or hard wheats.

Micro Milling of Single Plant Selections:* The 5-10 gm samples of grain were accurately weighed, placed in vials, and water added to bring them to 14% moisture. The tempered grain was milled on the micro mill which consists of two pairs of corrugated rolls and double sifters with 38- and 135-mesh stainless steel screens. The bran over the 38-mesh sifters was evaluated for milling properties by visual examination for the degree of bran clean-up. The throughs of the 135-mesh stainless steel screen, of those samples considered to be good milling types, were examined for flour quality by means of the Modified Micro Sedimentation Method (12). Protein and lysine are determined on these materials by NIR analysis (16). A schematic flow diagram of the micro mill is shown in Figure 3 (2, 13).

Moisture Content of Wheat & Flour: These values have not been given in these reports, but the methods are as follows: The reference test is two grams of ground wheat in an aluminum moisture dish are heated in a forced draft oven for 40 minutes at 140° C., allowed to cool in a desiccator and weighed. Flour Moisture is determined in the same manner except that it is heated only 20 minutes. The NIR (Technicon 400) is routinely used as calibrated to the above method.

Ash of Wheat and of Flour: The ash from a 4-gram sample of wheat meal or flour heated for 15 hours at 550° C. in a muffle furnace. (1, Method 08-01).

Protein of Wheat and Flour: The protein content of the samples was determined by the NIR method, and checked (about 10% of the material) by the Kjeldahl method (1, Method 46-12).

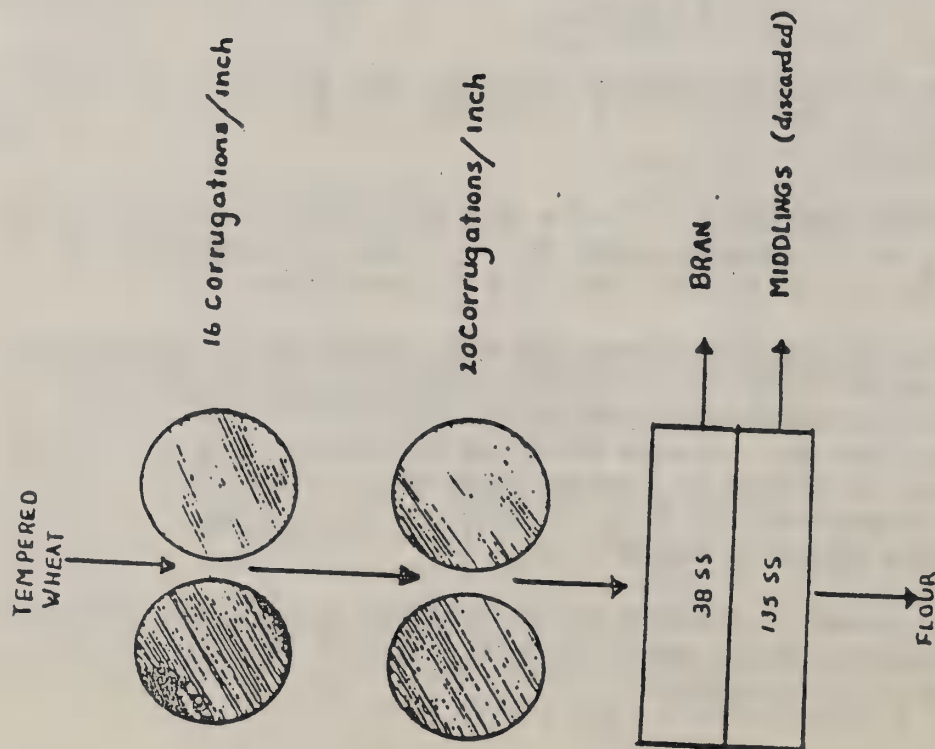
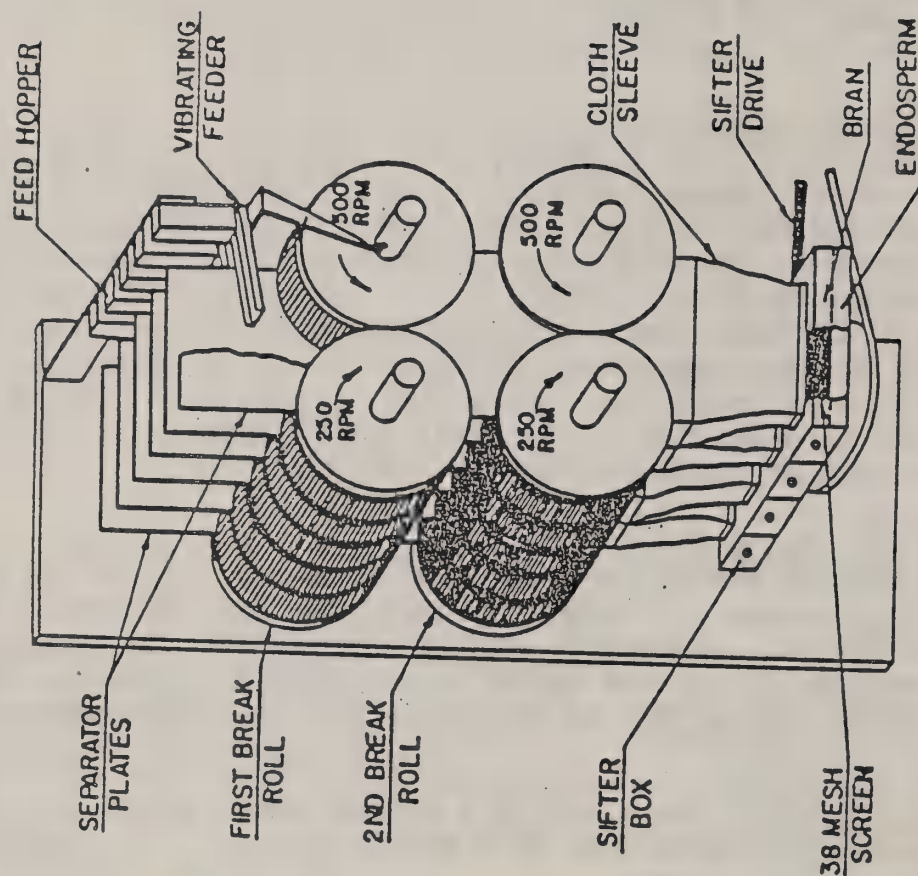
Alkaline Water Retention Capacity (AWRC): The percent increase in weight of 7.5 g flour due to absorption of water from 35 ml of .1 normal NaHCO_3 solution (17).

Viscosity: Dial reading x 7.5 of a RVT Brookfield Synchro-Lectric Viscometer fitted with a No. 2 spindle at 50 R.P.M. using a suspension of 20 grams of flour in 100 ml of water and 7 ml of 1 N lactic acid (15).

Mixogram: Used to characterized new selections as to market class and estimate baking properties. The recently developed 10 gm instruments were used and the testing procedure and interpretation of K.F. Finney(9) was followed. To reduce the time and expense involved in reproducing the mixograms a reference chart was developed to characterize each curve as to type ranging from very weak to exceptionally long and strong types. The chart and instructions for its use are found on pages 7 and 8.

*Supported by special grant of funds from the Washington Department of Agriculture and the Washington Wheat Commission to permit extensive early generation (F_3 - F_4) testing.

MICRO-MILL FLOW



ROLL SPACING 18 .012 INCH
28 .0025 "

Figure 3. Schematic and flow of the micro experimental mill. Four samples are milled and sifted simultaneously and feed rate is held constant by a vibratory feeder.

USE OF MIXOGRAM REFERENCE CHART

In addition to determining mixing time for optimum dough development by observation during baking test, mixing time and mixing tolerance, two important baking properties of wheat flour can be determined independently from a mixogram. A mixogram is determined with 10 g of flour and appropriate amount of water to give optimum absorption. It is really nothing more than a recording mixer reflecting the resistance the dough has to be mixed over a period of time. Most mixograms are run either 7 or 8 minutes which is sufficient time for most flours to give a full picture of their mixing time and to show what happens when mixing continues beyond this point (mixing peak) as reflected in the tail of the curve and commonly referred to as tolerance.

Final evaluation must be made with consideration given to the protein content of the flour because of the effect protein content has on the mixing characteristics within the same variety. As protein increases, mixing time will decrease with an apparent increase of tolerance. To illustrate this, compare #1 high (H) with #2 medium (M) and #3 low (L) which are typical mixograms of the club wheat Paha at 12, 9, and 6% protein respectively. Similarly, 2H, 3M, and 4L are typical for Nugaines at these protein levels. Little change can be observed on any wheat above 13.0 or below 7.5% protein.

This chart will be used to identify the curve characteristics which most closely fit the sample and will be reported as numbers 1L, 1M, 1H, etc. through 8H.

MIXOGRAM REFERENCE CHART⁸

LOW

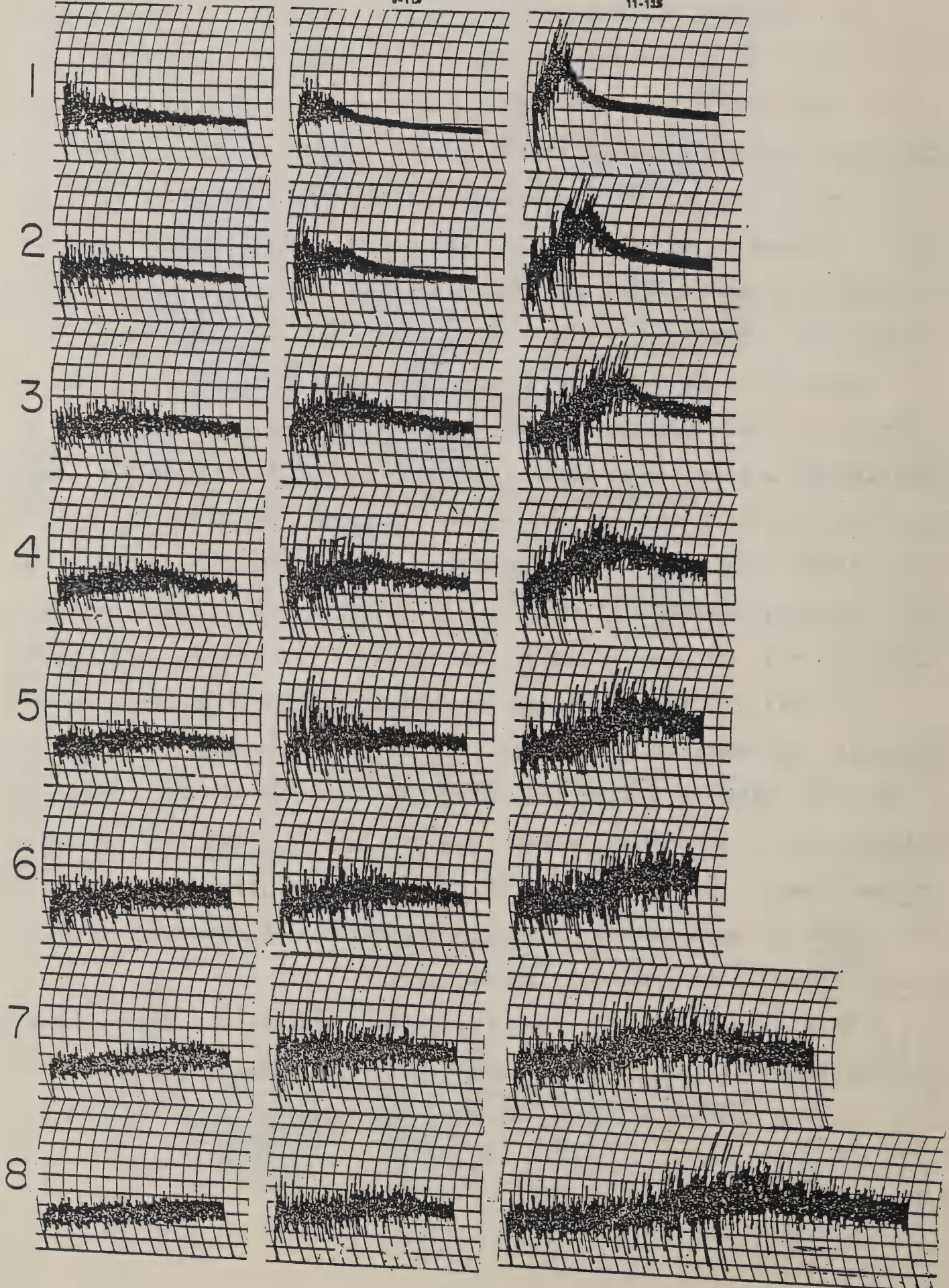
MEDIUM

HIGH

6-95

9-115

11-135



Cookie Baking: 40 g of flour, micro method, using 25% absorption, 60% sugar, 30% emulsified shortening, 3% dry skim milk, 1% NH_4HCO_3 , 1% NaCl, 1% NaHCO_3 , was employed (8).

Cookie Diameter is the average diameter, in centimeters, of cookies baked on two separate days.

Farinograph: The Farinograph was equipped with a 50-g bowl and the Constant Flour Weight Procedure was employed (1, Method 54-21A).

Farinograph Absorption is the amount of water required to center the highest portion of the Farinograph curve on the 500 unit line.

Peak or Farinograph Mixing Time is the time interval, in minutes, from the first addition of water until the tip of the curve reaches its maximum height.

Stability of Period of Resistance is the number of minutes the top of curve remains above the 500 unit line when the highest portion (peak) is centered on the 500 unit line..

Bread Baking: An optimum absorption, optimum mixing, optimum bromate, 100 g flour and straight dough method using 7.2% yeast, 1 1/2% salt, 6% sugar, 1/4% malt extract, 4% dry milk solids, 65 ppm ascorbic acid, and 3% hydrogenated shortening was employed (5,6,7,10).

Baking Absorption: The amount of water required to make a dough of proper consistency for bread baking when mixed to optimum conditions as judged by an experienced baker using the baking method described above (4).

Mixing Time: Time in minutes required to mix the flour and the other bread dough constituents to the optimum condition as judged by an experienced baker (5).

Optimum Bromate: The amount of potassium bromate required to produce the optimum break, shred, crust, and grain characteristics of the loaf of bread (5).

Flour Color: The slurry method using 20 g of flour, 25 ml of water, stirred for 2 minutes with a glass stirring rod fitted with a 11mm policeman, and allowed to stand for 5 minutes. Reading is taken on an Agtron (F_2) calibrated with standard color discs #63 = 0 and #85 = 100.

REFERENCES

1. American Association of Cereal Chemists, Cereal Laboratory Methods (8th Ed.). The Association: St. Paul, MN (1983).
2. Everson, E.H. and Seeborg, E.F. The heritability of milling quality as measured by the separation of the bran and endosperm. Agron. Journal 50:511-513 (1958).
3. Finney, K.F. Evaluation of Wheat Quality. Proceedings of the A.A.A.S. Section O Symposium on Food Quality as Affected by Production Practices and Processing. Dec. 27, 1962. Also, Finney, et al, Quality Characteristics of Hard Winter Wheat Varieties Grown in the Southern, Central, and Northern Great Plains of the United States, 1963 Crop. Hard Winter Wheat Quality Laboratory, Manhattan, KS. CR-77-64, Dec. (1964).
4. Finney, K.F. Methods of estimating and the effect of variety and protein level on the baking absorption of flour. Cereal Chem. 22:149-158 (1945).
5. Finney, K.F. and Barmore, M.A. Optimum vs. fixed mixing time at various potassium bromate levels in experimental bread baking. Cereal Chem. 22:244-254 (1945).
6. Finney, K.F. and Barmore, M.A. Varietal responses to certain baking ingredients essential in evaluating the protein quality of hard winter wheats. Cereal Chem. 22:225-243 (1945).
7. Finney, K.F. and Barmore, M.A. Yeast variability in wheat variety test baking. Cereal Chem. 20:194-200 (1943).
8. Finney, K.F., Morris, V.H. and Yamazaki, W.T. Micro versus macro cookie baking procedures for evaluating the cookie quality of wheat varieties. Cereal Chem. 27:42-49 (1950).
9. Finney, K.F. and Shogren, M.D. A Ten-Gram mixograph for determining and predicting functional properties of wheat flours. Bakers Digest April (1972).
10. Finney, P.L., Magoffin, C.D. Hoseney, R.C. and Finney, K.F. Short-time baking systems. I. Interdependence of yeast concentration, fermentation time and oxidation requirement. Cereal Chem. 53:126-134 (1976).
11. Jeffers, H.C. and Rubenthaler, G.L. Effect of roll temperature on flour yield with the Brabender Quadrumat Experimental mills. Cereal Chem. 54(5):1018-1025 (1979).
12. Kitterman, J.S. and Barmore, M.A. A modified micro sedimentation test for screening early-generation wheat selections. Cereal Chem. 46:273-280 (1969).

REFERENCES -- Continued

13. Kitterman, J.S., Seeborg, E.F., and Barmore, M.A. A note on the modification of the five-gram milling quality test and the five-gram micro-mill. Cereal Chem. 37:762-764 (1960).
14. Kitterman, J.S. and Rubenthaler, G.L. Assessing the quality of early generation wheat selections with the micro AWRC test. Cereal Science Today 16:313-328 (1971).
15. Kitterman, J.S. and Rubenthaler, G.L. Application of the Brookfield Viscometer for measuring the apparent viscosity of acidulated flour-water suspensions. Cereal Science Today 16:275-276 (1971).
16. Rubenthaler, G.L. and Bruinsma, B.L. Lysine Estimation in Cereals by Near Infrared Reflectance. Crop Science 18:1039-1042 (1978).
17. Yamazaki, W.T. An alkaline water retention capacity test for evaluation of cookie baking potentialities of soft winter wheat flours. Cereal Chem. 30:242-246 (1953).

PUBLICATIONS
(Jan. 1 - Dec. 31/86)

1. Rubenthaler, G.L. and Pomeranz, Y. NIR Spectra of HRW Wheats Varying Widely in Protein Content and Quality. Abstract. Cereal Chemistry. 1986.
2. Rubenthaler, G.L. and King, G.E. Computer Characterization of Mixograms and Their Relationship to Baking Performance. "Fundamentals of Dough Rheology", pgs. 131-168. American Association of Cereal Chemistry. 1986.

INVITED TECHNICAL PRESENTATIONS

Rubenthaler, G.L., 1986

Presented a talk and panel discussion "Grading in the 80's - Problems and Solutions" at the Twenty Fourth Annual Convention of Idaho Feed & Grain Dealers Association, Boise, ID, Jan. 14, 1986.

Presented a Seminar "Grading and Quality Factors in Wheat" to Faculty and Graduate Students, Dept. of Agronomy & Soils, WSU, Feb. 26, 1986.

Presented a tour and led discussions on the "Function of the Western Wheat Quality Lab. in Marketing" to William D. Smiley Jr., Director of WA Dept. of Agric., Agricultural Trade Development - Asia, Tokyo Office, Feb. 28, 1986.

Presented a talk on "What Constitutes Wheat Quality" at Lewiston Grain Growers meeting, Lewiston, ID, March 4, 1986.

Presented a talk and tour of Laboratory "What is Wheat Quality" to Washington Flying Farmers Association, March 22, 1986.

Presented a talk on "Flat Bread Research" at the National Association of Wheat Growers Ethnic Foods Project meeting, Washington, DC, March 26, 1986.

Presented a seminar "Wheat Quality" and tour of the Laboratory to Washington Association of Home Economists, April 25, 1986.

Presented a talk "Computer Characterization of Mixograms" at Spring Technical Conference, Milling & Baking Div. of AACCC, at Tempe, AZ, May 8, 1986.

Presented a talk "The Task of Defining Wheat Quality" at California Wheat Commission's Wheat Quality Workshop at Davis, CA, May 22, 1986.

Presented a talk "Measuring Wheat Hardness with NIR" at the USDA, ARS Wheat Hardness Workshop, Beltsville, MD, June 20, 1986.

Presented seminar and tour of Laboratory to U.S. Wheat Associates Japanese Trade Team. July 14, 1986.

Presented seminar "Wheat Research at the Western Wheat Quality Lab" to a visiting Washington Legislative Team, August 26, 1986.

Presented talk "Results of Cooperative Study of Methods for Measuring Sprout Damage" to Japanese Food Agency Team, Portland, OR, August 28, 1986.

Presented lecture to WSU Agronomy 201 class (25 students) on wheat quality, Sept. 25, 1986.

Presented paper "NIR Spectra of HRW Wheats Varying Widely in Protein Content and Quality" at AACC Annual Meeting, Toronto, Canada, Oct. 8, 1986.

Presented lecture to WSU Agronomy class "Improvement of Crop Quality" to 6 graduate students, Oct. 15, 1986.

Presented lecture to WSU Agronomy class "Grain Crops" to 18 students, Oct. 17, 1986.

Presented talk "Role of the Western Wheat Quality Lab" to Grant County Wheat Growers Association, Wilbur, WA, Oct. 18, 1986.

Presented talk "Role of Western Wheat Quality Lab in Variety Development" to Moro and Sherman County Wheat Growers League, The Dalles, OR, Oct. 20, 1986.

Presented talk "1986 Soft White Wheat Crop Quality Report" to the PNW Section of AACC Annual Meeting, Portland, OR, Oct. 24, 1986.

Presented tour and discussion of the Western Wheat Quality Lab to members of the National Wheat Improvement Committee, Nov. 5, 1986.

Presented a talk "Wheat Quality Research at the WWQL" to WA, OR, & ID (Tri-State) Wheat Commissioners Meeting, Boise, ID, Nov. 20, 1986.

Presented a report "1986 Harvest Survey Results" to Pacific Northwest Grains Council Advisory Board, Portland, OR, Dec. 2, 1986.

Jeffers, H.C., 1986

Presented seminar and tour of the Laboratory to U.S. Wheat Associates Philippine Flour Millers Team, August 20, 1986.

Western Wheat Quality Laboratory
1985 Crop

VISITORS

The Western Wheat Quality Laboratory Staff was pleased to have had the opportunity to meet, discuss, and give tours of our facilities with many visitors this past year. Several of these people were wheat breeders, grain buyers, flour millers, students and various government officials with an interest in wheat quality. The following is a list, not all inclusive, of those who visited our facilities:

U.S. Wheat Workers	53
Washington State Legislators	15
Congressional Legislators Assistants Team	7
<u>Foreign:</u>	
Egypt	4
India	3
Japan	12
Peoples Republic of China	4
Australia	1
Canada	3
France	1
Mexico	1
Norway	1
Philippines	5

EARLY GENERATION NURSERIES
1985 Crop

NURSERY	LOCATION	BREEDER	CLASS	NUMBER TESTED	NUMBER PROMISING
H85A	Pendleton	C.R. Rohde	SWW	221	117
K85	Pendleton	C.R. Rohde	SWW	88	57
Soft White	Pullman	Davis/Konzak	SWW	34	13
QLRED/85	Pullman	Davis/konzak	HRS	225	92
Management Trial - 1985	Pullman	R.E. Allan	SWW	360	0
Pendleton 85 B#	Pendleton	C.R. Rohde	SWW	133	54
Advanced Clubs	Pullman	R.E. Allan	Club	77	64
Advanced Commons	Pullman	R.E. Allan	SWW	29	13
'86 REA Daws/WC	Pullman	R.E. Allan	SWW	53	28
1986 Restorers TCK-2 Gene Lines	Pullman	R.E. Allan	SWW	45	18
TCK Resistant Restorers	Pullman	R.E. Allan	SWW	23	14
Paired Lines	Pullman	R.E. Allan	SWW	156	0

10 GRAM MICRO MILLING TEST

Winter Wheat (Micro Milling)	Pendleton	C.R. Rohde	SWW	812	405
Micro Milling Wheat Samples	Hermiston	M.F. Kolding	SWW	829	588

NURSCO 1

DAVIS, CA

D.G. GILCHRIST

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/		1/	3/	
8500001 UC 681		506/1	HRS	64.2	69.1	0.34	86.8	8.4	60.6	3L
8500002 UC 682		506/2	HRS	64.5	68.2	0.33	86.3	9.0	61.2	3M
8500003 TADORNA X INIA 66		6/ 506/3	SRS	64.1	70.5	0.32	90.2	8.8	58.1	4M
8500004 YECORA ROJO (C1017414)		6/ 506/5	HRS	64.7	68.9	0.38	84.7	9.9	61.6	4H
8500005 (TADORNA X 166) X ANZA		506/6	HRS	64.4	68.2	0.38	83.8	8.4	57.4	1M
8500006 (TADORNA X 166) X 166		506/7	HRS	65.0	67.9	0.34	85.6	8.4	59.8	6M
8500007 UC 489 RESISTANT		506/8	HRS	65.9	68.4	0.33	86.4	8.4	59.6	2M
8500008 ANZA (C1015284)		506/10	HRS	65.0	69.0	0.35	86.3	7.5	58.0	2M
8500010 TADORNA X INIA 66(TADINIA)		506/14	HRS	64.0	70.7	0.34	88.5	8.0	58.4	2M
8500011 INIA 66R		506/15	HRS	65.2	68.5	0.32	87.2	10.1	61.7	4H
8500012 (TADORNA X 166) X ANZA		506/17	HRS	64.4	68.8	0.37	85.0	8.8	57.4	1M
8500013 (CLEO X 166) X ANZA		506/21	HRS	64.5	66.7	0.36	83.1	8.9	60.9	3M
8500014 UC 683		506/23	HRS	64.9	62.0	0.39	76.5	7.1	60.9	3L
8500015 CM59173		507/2	HRS	59.8	62.2	0.40	76.5	9.6	59.7	3M
8500016 (CLEO X 166R) X 2*ANZA		507/12	HRS	65.8	67.6	0.35	84.9	8.6	62.2	3M
8500017 (NUDIF TP250X2*166R)X(TADORNAX2*166R)		507/16	HRS	64.9	69.4	0.34	87.3	9.1	60.6	4M
8500018 PHOENIX, WW33 (C1017962)		507/20	HWV	64.7	67.7	0.35	84.6	8.1	59.8	3M
8500019 UC 489 RESISTANT		507/22	HRS	65.9	66.6	0.36	83.3	7.9	58.9	3M

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 9% Protein.

4/ Observed Values Corrected to 9% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 1

DAVIS, CA

D.G. GILCHRIST

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
850001 UC 681	TADORNA X INIA 66 TADORNA X INIA 66 TADORNA X INIA 66 TADORNA X INIA 66 TADORNA X INIA 66	506/1	HRS	59.7	60.3	1.7	715	752	8 P-MTIME, LVOL&BCRGR	
850002 UC 682		506/2	HRS	61.9	61.9	2.3	750	750	8 P-MTIME, LVOL&BCRGR	
850003 TADORNA X INIA 66		506/3	SRS	58.6	58.8	3.1	840	852	4 Note Soft Texture	
850004 YECORA ROJO (C1017414)		506/5	HRS	64.2	63.3	3.7	845	789	3	
850005 (TADORNA X 166) X ANZA		506/6	HRS	55.0	55.6	1.1	565	602	9 VP-All Baking Prop.	
850006 (TADORNA X 166) X 166	TADORNA X 166 X 166 UC 489 RESISTANT ANZA (C1015284) TADORNA X INIA 66 (TADINIA) INIA 66R	506/7	HRS	60.4	61.0	4.3	695	732	8 P-LVOL&BCRGR	
850007 UC 489 RESISTANT		506/8	HRS	59.2	59.8	1.5	740	777	8 P-LVOL&BCRGR	
850008 ANZA (C1015284)		506/10	HRS	57.4	58.9	1.4	570	663	9	
850010 TADORNA X INIA 66 (TADINIA)		506/14	HRS	58.1	59.1	2.6	685	747	8 P-LVOL&BCRGR	
850011 INIA 66R		506/15	HRS	64.5	63.4	4.1	830	762	3	
850012 (TADORNA X 166) X ANZA	(TADORNA X 166) X ANZA (CLEO X 166) X ANZA UC 683 CM59173 (CLEO X 166R) X 2*ANZA	506/17	HRS	56.4	56.6	1.0	610	622	9 VP-All Baking Prop.	
850013 (CLEO X 166) X ANZA		506/21	HRS	61.5	61.6	2.6	725	731	4 P-FYELD&LVOL	
850014 UC 683		506/23	HRS	59.7	61.6	1.9	575	693	9 VP-All Baking Prop.	
850015 CM59173		507/2	HRS	61.5	60.9	2.1	810	773	6 VP-Milling & BCRGR	
850016 (CLEO X 166R) X 2*ANZA		507/12	HRS	62.5	62.9	1.5	760	785	8 VP-All Baking Prop.	
850017 (NUDIF TP250X2*166R)X(TADORNAX2*166R)	(NUDIF TP250X2*166R)X(TADORNAX2*166R) PHOENIX, WW33 (C1017962) UC 489 RESISTANT	507/16	HRS	62.9	62.8	3.1	800	794	8 P-BCRGR	
850018 PHOENIX, WW33 (C1017962)		507/20	HW	60.6	61.5	2.5	780	836	9 P-BCRGR	
850019 UC 489 RESISTANT		507/22	HRS	59.5	60.6	2.5	645	713	9 VP-All Baking Prop.	

COMMENTS: Only selections 506/3 and 506/5 have promising overall quality. All other selections were poor in baking (short mix times, low loaf volume, and/or heavy crumb grain structures) and/or milling performance. See "Remarks" for specific deficiencies.

P = Poor; VP = Very Poor

NURSCO 2

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY		IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
							1/ 1/		1/ 1/	3/ 3/	
8500020	ANZA X CAJEME	71 1-3-01	6/502/01	HRS	63.4	72.2	0.38	88.1	10.0	58.8	6M
8500021	ANZA X CAJEME	71 1-3-02	502/02	HRS	63.8	66.4	0.39	81.3	11.2	56.9	6M
8500022	ANZA X CAJEME	71 1-3-03	6/502/03	HRS	64.5	69.9	0.39	85.0	12.3	59.0	4H
8500023	ANZA X CAJEME	71 1-3-04	6/502/04	HRS	63.5	70.3	0.37	86.3	10.7	57.4	3M
8500024	ANZA X CAJEME	71 1-3-05	502/05	HRS	65.2	71.5	0.37	87.9	11.0	57.4	2M
8500025	ANZA X CAJEME	71 1-3-06	502/06	HRS	64.4	69.3	0.37	85.5	11.1	56.2	2M
8500026	ANZA X CAJEME	71 1-3-07	6/502/07	HRS	64.1	71.5	0.36	88.0	11.3	58.2	3M
8500027	ANZA X CAJEME	71 1-3-08	502/08	HRS	62.3	69.9	0.37	85.9	11.0	56.3	3M
8500028	ANZA X CAJEME	71 1-3-09	502/09	HRS	64.1	70.9	0.36	87.7	10.1	57.2	2M
8500029	CAJEME 71 1-2-10		502/10	HRS	64.0	68.5	0.41	82.5	12.6	60.0	5H
8500030	CAJEME 71 1-3-10		502/173	HRS	64.2	68.4	0.42	81.9	11.7	61.1	5H
8500031	ANZA X CAJEME	71 1-3-11	502/11	HRS	63.5	66.3	0.42	79.8	9.7	59.3	8M
8500032	ANZA X CAJEME	71 1-3-12	502/12	HRS	64.3	72.0	0.37	88.3	10.2	57.6	2M
8500033	ANZA X CAJEME	71 1-3-13	502/13	HRS	63.9	70.7	0.37	87.0	10.6	56.9	3M
8500034	ANZA X CAJEME	71 1-3-14	502/14	HRS	64.0	70.9	0.36	87.5	10.5	57.4	3M
8500035	ANZA X CAJEME	71 1-3-15	502/15	HRS	65.0	70.5	0.37	86.7	12.4	57.5	1H
8500036	ANZA X CAJEME	71 1-3-16	502/16	HRS	65.7	71.5	0.36	88.2	12.0	56.8	3M
8500037	ANZA X CAJEME	71 1-3-17	502/17	HRS	64.2	68.5	0.36	85.2	10.4	59.2	8M
8500038	ANZA X CAJEME	71 1-3-18	502/18	HRS	63.9	67.7	0.38	83.2	10.7	58.6	3M
8500039	ANZA X CAJEME	71 1-3-19	502/19	HRS	52.9	67.9	0.40	82.1	11.8	57.8	2H
8500040	ANZA (C1015284)	1-3-20	502/20	HRS	54.5	71.5	0.37	87.8	9.7	57.3	2M
8500041	ANZA (C1015284)	1-3-20	6/502/151	HRS	65.9	70.9	0.36	87.8	9.9	57.1	2M
8500042	ANZA X CAJEME	71 1-3-21	6/502/21	HRS	62.4	69.7	0.37	85.9	10.0	58.4	7M
8500043	ANZA X CAJEME	71 1-3-22	502/22	HRS	63.5	70.8	0.37	87.1	11.4	56.9	4M
8500044	ANZA X CAJEME	71 1-3-23	502/23	HRS	63.0	66.8	0.46	78.2	9.9	60.0	7M
8500045	ANZA X CAJEME	71 1-3-24	502/24	HRS	64.6	69.7	0.40	84.1	10.8	59.1	2H
8500046	ANZA X CAJEME	71 1-3-25	502/25	HRS	61.5	70.9	0.40	85.5	11.4	58.4	3M
8500047	ANZA X CAJEME	71 1-3-26	502/26	HRS	64.8	71.3	0.37	87.5	10.3	56.5	3M
8500048	ANZA X CAJEME	71 1-3-27	502/27	HRS	62.3	68.9	0.39	84.1	10.7	56.6	4M
8500049	ANZA X CAJEME	71 1-3-28	502/28	HRS	64.0	68.1	0.41	82.3	10.9	58.0	4M
8500050	ANZA X CAJEME	71 1-3-29	6/502/29	HRS	64.0	68.6	0.37	84.6	10.0	56.6	8M
8500051	ANZA X CAJEME	71 1-3-31	502/31	HRS	64.9	67.1	0.42	80.7	10.8	58.3	4M
8500052	ANZA X CAJEME	71 1-3-32	502/32	HRS	65.4	68.4	0.43	81.5	10.0	57.4	2M
8500053	ANZA X CAJEME	71 1-3-33	502/33	HRS	65.1	66.6	0.38	82.0	10.3	58.2	4M
8500054	ANZA X CAJEME	71 1-3-34	502/34	HRS	64.4	67.7	0.38	83.2	10.8	58.1	4M

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 10% Protein.

4/ Observed Values Corrected to 10% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 2

CORCORAN, CA

C.O. QUALSET

LARNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
8500020	ANZA X CAJEME 71 1-3-01	502/01	HRS	60.5	60.5	2.8	890	890	2	2 P-FYELD Q-LVOL
8500021	ANZA X CAJEME 71 1-3-02	502/02	HRS	59.8	58.6	2.6	875	801	2	2
8500022	ANZA X CAJEME 71 1-3-03	502/03	HRS	62.0	59.7	2.1	975	832	2	2
8500023	ANZA X CAJEME 71 1-3-04	502/04	HRS	59.3	58.6	2.0	875	832	2	2
8500024	ANZA X CAJEME 71 1-3-05	502/05	HRS	59.1	58.1	1.2	890	828	5	Short MTIME Q-BCRGR
8500025	ANZA X CAJEME 71 1-3-06	502/06	HRS	59.0	57.9	1.5	860	792	4	Short Mtime Q-BCRGR
8500026	ANZA X CAJEME 71 1-3-07	502/07	HRS	60.2	58.9	1.7	940	859	3	Q-MTIME
8500027	ANZA X CAJEME 71 1-3-08	502/08	HRS	59.0	58.0	2.2	800	738	6	P-LVOL&BCRGR
8500028	ANZA X CAJEME 71 1-3-09	502/09	HRS	57.5	57.4	1.2	805	799	7	P-LVOL&BCRGR
8500029	CAJEME 71 1-2-10	502/10	HRS	63.3	60.7	3.3	990	829	2	
8500030	CAJEME 71 1-3-10	502/173	HRS	64.5	62.8	3.7	925	820	3	
8500031	ANZA X CAJEME 71 1-3-11	502/11	HRS	62.2	62.5	3.9	805	824	6	P-FYELD&BCRGR
8500032	ANZA X CAJEME 71 1-3-12	502/12	HRS	57.5	57.3	1.3	820	808	6	P-MTIME&BCRGR
8500033	ANZA X CAJEME 71 1-3-13	502/13	HRS	57.7	57.1	1.4	855	818	4	Q-MTIME Q-BCRGR
8500034	ANZA X CAJEME 71 1-3-14	502/14	HRS	57.6	57.1	1.4	855	824	4	P-MTIME Q-BCRGR
8500035	ANZA X CAJEME 71 1-3-15	502/15	HRS	60.1	57.7	1.0	885	736	6	P-MTIME Q-BCRGR
8500036	ANZA X CAJEME 71 1-3-16	502/16	HRS	60.0	58.0	2.3	910	786	3	Q-LVOL&BCRGR
8500037	ANZA X CAJEME 71 1-3-17	502/17	HRS	62.3	61.9	4.6	775	750	5	Q-FYELD, LVOL&BCRGR
8500038	ANZA X CAJEME 71 1-3-18	502/18	HRS	61.0	60.3	2.1	760	717	6	Q-FYELD, LVOL&BCRGR
8500039	ANZA X CAJEME 71 1-3-19	502/19	HRS	61.3	59.5	2.0	915	803	2	Q-FYELD
8500040	ANZA (C1015284) 1-3-20	502/20	HRS	57.7	58.0	1.5	765	784	7	P-MTIME, LVOL&BCRGR
8500041	ANZA (C1015284) 1-3-20	502/151	HRS	57.2	57.3	1.0	775	781	7	P-MTIME, LVOL, BCRGR
8500042	ANZA X CAJEME 71 1-3-21	502/21	HRS	60.1	60.1	3.0	835	835	3	
8500043	ANZA X CAJEME 71 1-3-22	502/22	HRS	60.0	58.6	2.5	923	836	3	
8500044	ANZA X CAJEME 71 1-3-23	502/23	HRS	62.6	62.7	3.6	755	761	8	P-FYELD, LVOL&BCRGR
8500045	ANZA X CAJEME 71 1-3-24	502/24	HRS	60.1	59.3	1.4	900	850	4	Q-BCRGR, MTIME
8500046	ANZA X CAJEME 71 1-3-25	502/25	HRS	59.5	58.1	1.0	870	783	6	P-MTIME, LVOL&BCRGR
8500047	ANZA X CAJEME 71 1-3-26	502/26	HRS	57.5	57.2	2.1	865	846	6	P-MTIME&BCRGR
8500048	ANZA X CAJEME 71 1-3-27	502/27	HRS	59.0	58.3	2.5	850	807	6	P-BCRGR
8500049	ANZA X CAJEME 71 1-3-28	502/28	HRS	59.6	58.7	1.8	870	814	5	P-MSCOR, MTIME, BCRGR
8500050	ANZA X CAJEME 71 1-3-29	502/29	HRS	58.3	58.3	3.5	875	875	4	Q-BCRGR
8500051	ANZA X CAJEME 71 1-3-31	502/31	HRS	60.8	60.0	2.6	850	800	3	P-FYELD
8500052	ANZA X CAJEME 71 1-3-32	502/32	HRS	58.1	58.1	1.7	800	800	7	P-MTIME, LVOL&BCRGR
8500053	ANZA X CAJEME 71 1-3-33	502/33	HRS	59.2	58.9	1.9	845	826	6	P-FYELD, MTIME, BCRGR
8500054	ANZA X CAJEME 71 1-3-34	502/34	HRS	60.1	59.3	2.0	845	795	4	P-FYELD, MTIME&BCRGR

GENOTYPE X SALINITY X NITROGEN (502)

NURSCO 2

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH 1/	MSCOR	FPROT 1/	MABSC 3/	MIYPE
850055	ANZA X CAJEME 71 1-3-35	6/502/35	HRS	63.9	70.7	0.40	85.5	9.7	56.2	7M
850056	ANZA X CAJEME 71 1-3-36	502/36	HRS	65.2	71.8	0.40	86.5	11.0	56.5	2H
850057	ANZA X CAJEME 71 1-3-37	502/37	HRS	65.5	69.3	0.38	85.1	10.2	56.3	4M
850058	ANZA X CAJEME 71 1-3-38	6/502/38	HRS	64.7	69.3	0.44	81.7	11.7	60.4	4H
850059	ANZA X CAJEME 71 1-3-39	502/39	HRS	65.8	66.9	0.39	81.7	9.9	59.6	6M
850060	CAJEME 71 1-3-40	502/40	HRS	65.0	69.1	0.40	83.5	11.4	59.6	4H
850061	CAJEME 71 1-3-40	502/156	HRS	64.8	69.5	0.56	75.7	10.0	62.9	5H
850062	ANZA X CAJEME 71 1-3-41	502/41	HRS	65.2	71.2	0.36	88.0	10.7	56.8	2M
850063	ANZA X CAJEME 71 1-3-42	502/42	HRS	63.6	70.0	0.37	86.4	11.3	56.8	2M
850064	ANZA X CAJEME 71 1-3-43	502/43	HRS	65.5	70.2	0.34	88.1	11.1	57.3	2M
850065	ANZA X CAJEME 71 1-3-44	502/44	HRS	64.8	70.8	0.36	87.5	11.1	56.8	2M
850066	ANZA X CAJEME 71 1-3-45	6/502/45	HRS	63.5	68.4	0.43	81.2	8.9	59.9	7M
850067	ANZA X CAJEME 71 1-3-46	502/46	HRS	63.5	69.8	0.39	85.1	10.9	57.5	2M
850068	ANZA X CAJEME 71 1-3-47	6/502/47	HRS	64.3	67.6	0.40	82.1	10.2	59.9	8M
850069	ANZA (CI015284) 1-3-48	502/48	HRS	65.6	71.0	0.37	87.3	9.3	57.8	2M
850070	ANZA (CI015284) 1-3-48	502/161	HRS	63.8	69.4	0.36	86.3	9.8	58.1	2M
850071	2-3-01	6/502/54	HRS	64.4	71.7	0.36	88.6	10.5	58.9	4M
850072	2-3-02	502/81	HRS	64.9	67.6	0.37	83.5	11.4	58.2	4M
850073	2-3-03	6/502/64	HRS	65.4	70.9	0.40	85.6	12.6	59.2	3H
850074	2-3-04	502/70	HRS	63.0	70.0	0.38	85.7	11.5	59.8	3M
850075	2-3-05	502/74	HRS	65.3	71.6	0.35	88.8	12.1	59.9	1H
850076	2-3-06	502/49	HRS	64.1	70.3	0.37	86.4	11.2	60.0	2M
850077	2-3-07	502/76	HRS	63.8	71.2	0.37	87.4	11.2	61.1	2H
850078	2-3-08	502/87	HRS	63.0	70.0	0.37	86.1	10.9	60.4	2H
850079	2-3-09	502/65	HRS	65.0	71.6	0.36	88.3	9.7	59.6	2M
850080	2-3-10	6/502/52	HRS	64.9	68.7	0.40	83.4	12.5	62.2	4H
850081	2-3-10	6/502/106	HRS	64.9	69.4	0.40	83.9	12.4	62.4	4H
850082	2-3-11	502/92	HRS	63.2	66.0	0.40	80.2	10.0	61.1	8M
850083	2-3-12	502/59	HRS	64.4	72.2	0.36	88.9	10.8	60.7	2M
850084	2-3-13	502/86	HRS	63.8	70.5	0.36	87.0	10.9	60.8	3M
850085	2-3-14	502/93	HRS	63.0	70.4	0.40	85.0	11.3	61.1	3M
850086	2-3-15	502/83	HRS	64.3	70.4	0.37	86.5	12.4	60.6	1H
850087	2-3-16	502/57	HRS	65.8	71.4	0.36	88.4	12.9	60.9	2H
850088	2-3-17	502/77	HRS	63.5	69.0	0.38	84.7	10.7	62.4	8M
850089	2-3-18	502/53	HRS	64.8	69.1	0.37	85.4	11.1	61.2	2H

NURSCO 2

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
850055	ANZA X CAJEME 71 1-3-35	502/35	HRS	57.6	57.9	3.0	825	844	3	5 P-MTIME, LVOL&BCRGR
850056	ANZA X CAJEME 71 1-3-36	502/36	HRS	58.2	57.2	1.4	855	793	6	P-Q-BCRGR
850057	ANZA X CAJEME 71 1-3-37	502/37	HRS	58.2	58.0	2.4	825	813	3	Q-FASH
850058	ANZA X CAJEME 71 1-3-38	502/38	HRS	63.8	62.1	2.8	955	850	6	P-FYELD, LVOL&BCRGR
850059	ANZA X CAJEME 71 1-3-39	502/39	HRS	61.2	61.3	2.9	790	796		
850060	CAJEME 71 1-3-40	502/40	HRS	62.7	61.3	3.3	890	803	2	Hi Ash(Dirt clods)
850061	CAJEME 71 1-3-40	502/156	HRS	64.6	64.6	3.5	935	935	8	P-MTIME, LVOL&BCRGR
850062	ANZA X CAJEME 71 1-3-41	502/41	HRS	56.7	56.0	1.0	760	717	6	P-MTIME, LVOL&BCRGR
850063	ANZA X CAJEME 71 1-3-42	502/42	HRS	57.3	56.0	1.0	850	769	7	P-MTIME, LVOL&BCRGR
850064	ANZA X CAJEME 71 1-3-43	502/43	HRS	58.1	57.0	1.0	805	737	7	P-MTIME, LVOL&BCRGR
850065	ANZA X CAJEME 71 1-3-44	502/44	HRS	57.1	56.0	1.0	800	732	7	P-MTIME, LVOL&BCRGR
850066	ANZA X CAJEME 71 1-3-45	502/45	HRS	59.5	60.6	2.9	775	843	2	Q-FYELD
850067	ANZA X CAJEME 71 1-3-46	502/46	HRS	57.6	56.7	1.0	805	749	7	P-MTIME, LVOL, BCRGR
850068	ANZA X CAJEME 71 1-3-47	502/47	HRS	61.8	61.6	3.9	850	838	2	Q-FYELD
850069	ANZA (C1015284) 1-3-48	502/48	HRS	56.3	57.0	1.0	710	753	8	
850070	ANZA (C1015284) 1-3-48	502/161	HRS	57.1	57.3	1.0	780	792	6	
850071	2-3-01	502/54	HRS	59.1	58.6	2.1	930	899	3	Q-MTIME
850072	2-3-02	502/81	HRS	60.3	58.9	2.1	930	843	3	P-Q-FYELD
850073	2-3-03	502/64	HRS	62.5	59.9	1.9	965	804	2	Q-MTIME&LVOL
850074	2-3-04	502/70	HRS	61.5	60.0	1.4	925	832	4	Q-P-MTIME&BCRGR
850075	2-3-05	502/74	HRS	61.7	59.6	1.0	930	800	6	P-MTIME, LVOL&BCRGR
850076	2-3-06	502/49	HRS	60.9	59.7	1.0	880	806	6	P-MTIME, LVOL&BCRGR
850077	2-3-07	502/76	HRS	61.5	60.3	1.3	965	891	4	P-MTIME Q-BCRGR
850078	2-3-08	502/87	HRS	61.5	60.6	1.4	855	799	6	P-MTIME, LVOL&BCRGR
850079	2-3-09	502/65	HRS	59.0	59.3	1.0	770	789	8	P-MTIME, LVOL&BCRGR
850080	2-3-10	502/52	HRS	66.4	63.9	3.2	940	785	3	Q-FYELD&BCRGR
850081	2-3-10	502/106	HRS	66.5	64.1	3.3	980	831	3	
850082	2-3-11	502/92	HRS	62.3	62.3	4.1	815	815	6	P-FYELD&BCRGR
850083	2-3-12	502/59	HRS	60.7	59.9	1.0	825	775	8	P-MTIME, LVOL&BCRGR
850084	2-3-13	502/86	HRS	61.4	60.5	1.0	895	839	4	P-MTIME Q-BCRGR
850085	2-3-14	502/93	HRS	62.1	60.8	1.0	915	834	4	P-MTIME Q-BCRGR
850086	2-3-15	502/83	HRS	61.2	58.8	1.0	900	751	7	P-MTIME, LVOL&BCRGR
850087	2-3-16	502/57	HRS	63.5	60.6	1.9	1030	850	6	Q-MTIME&BCRGR
850088	2-3-17	502/77	HRS	64.8	64.1	4.0	845	802	7	P-BCRGR
850089	2-3-18	502/53	HRS	62.5	61.4	1.8	800	732	5	P-MTIME, LVOL&BCRGR

NURSCO 2

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYLD	FASH 1/	MSCOR	FPROT 1/	MABSC 3/	MTYPE
850090 2-3-19		6/ 502/68	HRS	62.8	68.5	0.44	80.9	12.0	62.0	2H
850091 2-3-20		502/96	HRS	65.4	71.6	0.35	88.7	9.9	59.3	2M
850092 2-3-20		502/102	HRS	64.6	73.9	0.38	89.9	9.6	61.4	2M
850093 2-3-21		502/73	HRS	62.6	72.3	0.39	87.7	10.2	59.9	4M
850094 2-3-23		502/56	HRS	63.1	69.2	0.48	79.7	9.7	62.2	6M
850095 2-3-22		6/ 502/88	HRS	63.4	72.2	0.39	87.2	11.3	61.0	4M
850096 2-3-24		502/60	HRS	63.7	71.6	0.42	85.4	11.0	61.2	2H
850097 2-3-25		502/67	HRS	61.7	72.0	0.42	85.9	11.2	59.7	2M
850098 2-3-26		6/ 502/82	HRS	63.8	71.7	0.38	87.3	10.6	59.2	3M
850099 2-3-27		6/ 502/50	HRS	63.3	69.9	0.41	84.0	10.8	59.6	4M
850100 2-3-28		502/62	HRS	63.2	69.4	0.41	83.5	11.1	59.5	2H
850101 2-3-29		6/ 502/71	HRS	63.5	68.3	0.39	83.4	10.5	59.6	4H
850102 2-3-31		502/91	HRS	65.2	69.6	0.41	83.6	11.3	61.3	3H
850103 2-3-32		502/75	HRS	64.9	69.1	0.45	81.1	11.1	59.7	2M
850104 2-3-33		502/58	HRS	63.0	67.5	0.40	82.0	11.1	60.0	2H
850105 2-3-34		502/80	HRS	62.7	66.5	0.40	80.8	11.3	60.0	2H
850106 2-3-35		6/ 502/84	HRS	62.4	71.0	0.39	86.0	10.2	58.6	4M
850107 2-3-36		502/72	HRS	64.6	72.8	0.39	87.8	11.9	58.2	2H
850108 2-3-37		502/90	HRS	64.4	70.4	0.39	85.5	10.5	60.8	4M
850109 2-3-38		6/ 502/61	HRS	64.1	68.9	0.43	81.7	12.5	62.8	3H
850110 2-3-39		502/95	HRS	64.4	68.1	0.40	82.4	10.5	61.0	6M
850111 2-3-40		6/ 502/79	HRS	63.3	67.5	0.42	81.0	12.0	62.2	5H
850112 2-3-40		502/138	HRS	63.6	67.8	0.41	81.7	12.2	62.6	5H
850113 2-3-41		502/55	HRS	65.9	73.1	0.35	90.3	11.3	61.4	2M
850114 2-3-42		502/89	HRS	63.7	70.5	0.38	86.1	11.8	60.8	1H
850115 2-3-43		502/66	HRS	65.2	72.0	0.36	88.9	11.9	62.0	1H
850116 2-3-44		502/94	HRS	64.5	71.4	0.37	87.8	11.5	60.5	1H
850117 2-3-45		502/78	HRS	62.1	68.8	0.46	80.3	9.5	60.6	7M
850118 2-3-46		502/69	HRS	62.9	70.2	0.38	85.6	11.5	60.2	2M
850119 2-3-47		6/ 502/63	HRS	62.1	68.9	0.46	80.4	10.7	59.1	8M
850120 2-3-48		502/51	HRS	64.9	71.5	0.36	88.2	10.1	59.5	2M
850121 2-3-48		502/117	HRS	63.9	71.0	0.36	87.8	10.0	59.6	2M
850122 2-1-01		6/ 502/401	HRS	63.3	72.1	0.37	88.5	10.4	62.2	8M
850123 2-1-02		502/418	HRS	64.4	67.3	0.36	84.0	10.5	61.1	6M
850124 2-1-03		6/ 502/428	HRS	65.4	70.1	0.38	85.5	11.1	64.0	4H

NURSCO 2

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
850090	2-3-19	502/68	HRS	63.7	61.7	1.8	975	851	2	Q-FYELD&MTIME
850091	2-3-20	502/96	HRS	57.9	58.0	1.0	775	781	8	P-MTIME, LVOL&BCRGR
850092	2-3-20	502/102	HRS	59.2	59.6	1.0	765	790	8	P-MTIME, LVOL&BCRGR
850093	2-3-21	502/73	HRS	60.3	60.1	2.0	845	833	5	Q-MTIME, BCRGR
850094	2-3-23	502/56	HRS	63.6	63.9	2.8	790	809	8	P-BCRGR
850095	2-3-22	502/88	HRS	64.0	62.7	2.4	920	839	4	Q-BCRGR
850096	2-3-24	502/60	HRS	61.4	60.4	1.3	880	818	4	Q-MTIME&BCRGR
850097	2-3-25	502/67	HRS	59.6	58.4	1.0	875	801	4	P-MTIME Q-LVOL&BCRGR
850098	2-3-26	502/82	HRS	59.0	58.4	1.7	885	848	3	Q-MTIME&BCRGR
850099	2-3-27	502/50	HRS	61.1	60.3	2.2	885	835	3	Q-MTIME&BCRGR
850100	2-3-28	502/62	HRS	61.3	60.2	1.9	845	777	8	P-MTIME, LVOL&BCRGR
850101	2-3-29	502/71	HRS	61.8	61.3	2.9	870	839	2	Q-FYELD
850102	2-3-31	502/91	HRS	63.3	62.0	2.1	905	824	5	Q-MTIME&BCRGR
850103	2-3-32	502/75	HRS	60.0	58.9	1.2	825	757	8	P-MTIME, LVOL&BCRGR
850104	2-3-33	502/58	HRS	61.8	60.7	2.2	840	772	7	P-FYELD, LVOL&BCRGR
850105	2-3-34	502/80	HRS	62.0	60.7	2.2	915	834	4	P-FYELD&BCRGR
850106	2-3-35	502/84	HRS	59.5	59.3	2.8	845	833	2	
850107	2-3-36	502/72	HRS	58.8	56.9	1.0	890	772	8	P-MTIME, LVOL&BCRGR
850108	2-3-37	502/90	HRS	61.0	60.5	1.8	905	874	7	P-MTIME, LVOL&BCRGR
850109	2-3-38	502/61	HRS	66.5	64.0	2.8	985	830	2	Q-FYELD
850110	2-3-39	502/95	HRS	63.2	62.7	3.1	850	819	5	Q-FYELD&BCRGR
850111	2-3-40	502/79	HRS	65.9	63.9	3.9	940	816	3	Q-FYELD
850112	2-3-40	502/138	HRS	66.5	64.3	3.7	950	814	2	Q-FYELD
850113	2-3-41	502/55	HRS	61.4	60.1	1.0	785	704	9	P-MTIME, LVOL&BCRGR
850114	2-3-42	502/89	HRS	61.3	59.5	1.0	850	738	8	P-MTIME, LVOL&BCRGR
850115	2-3-43	502/66	HRS	62.1	60.2	1.0	850	732	9	P-MTIME, LVOL&BCRGR
850116	2-3-44	502/94	HRS	60.2	58.7	1.0	875	782	5	P-MTIME, LVOL&BCRGR
850117	2-3-45	502/78	HRS	61.8	62.3	3.1	855	886	6	Q-FYELD&BCRGR
850118	2-3-46	502/69	HRS	59.4	57.9	1.0	825	732	8	P-MTIME, LVOL&BCRGR
850119	2-3-47	502/63	HRS	61.5	60.8	3.3	890	847	4	Q-BCRGR
850120	2-3-48	502/51	HRS	57.3	57.2	1.0	790	784	9	P-MTIME, LVOL&BCRGR
850121	2-3-48	502/117	HRS	57.8	57.8	1.0	800	800	7	P-MTIME, LVOL&BCRGR
850122	2-1-01	502/401	HRS	64.3	63.9	3.6	950	925	5	Q-BCRGR
850123	2-1-02	502/418	HRS	63.8	63.3	3.1	895	864	5	Q-FYELD&BCRGR
850124	2-1-03	502/428	HRS	66.8	65.7	3.2	960	892	5	Q-BCRGR

NURSCO 2

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT		MABSC	MTYPE
								1/	3/		
850125 2-1-04		502/388	HRS	62.8	69.7	0.38	85.1	10.9		62.2	4M
850126 2-1-05		502/398	HRS	64.1	70.3	0.36	86.9	11.2		63.0	3M
850127 2-1-06		502/393	HRS	64.8	73.9	0.46	85.7	10.7		57.5	2M
850128 2-1-07		6/ 502/407	HRS	62.1	69.4	0.38	85.1	10.6		62.2	4M
850129 2-1-08		502/410	HRS	62.2	68.6	0.38	84.0	10.2		61.4	4M
850130 2-1-09		502/431	HRS	64.6	69.5	0.38	84.9	8.8		60.4	3M
850131 2-1-10		6/ 502/425	HRS	64.4	67.9	0.40	82.2	9.6		62.5	8M
850132 2-1-10		6/ 502/487	HRS	63.5	69.8	0.40	84.4	12.1		63.8	5H
850133 2-1-11		502/402	HRS	61.9	65.4	0.42	78.9	9.6		62.1	8M
850134 2-1-12		502/387	HRS	64.7	73.1	0.37	89.2	10.2		61.2	3M
850135 2-1-13		502/409	HRS	63.7	71.5	0.38	87.2	10.4		61.0	3M
850136 2-1-14		502/430	HRS	64.5	71.4	0.39	86.7	9.8		60.9	3M
850137 2-1-15		502/403	HRS	64.4	70.3	0.37	86.6	11.3		62.0	2H
850138 2-1-16		6/ 502/411	HRS	65.0	70.9	0.34	88.7	11.5		62.7	4H
850139 2-1-17		502/397	HRS	61.6	66.4	0.39	81.4	9.6		61.5	8M
850140 2-1-18		502/417	HRS	63.2	67.7	0.43	80.6	10.7		63.3	3H
850141 2-1-19		502/412	HRS	62.7	67.9	0.41	82.0	11.0		64.3	3H
850142 2-1-20		502/408	HRS	64.2	70.0	0.39	85.3	9.3		61.8	3M
850143 2-1-20		502/520	HRS	64.5	69.0	0.38	84.7	8.6		62.2	2M
850144 2-1-21		6/ 502/390	HRS	61.3	69.0	0.38	84.7	9.8		61.4	8M
850145 2-1-22		502/404	HRS	62.3	68.2	0.38	83.8	10.8		60.9	8M
850146 2-1-23		502/394	HRS	62.4	65.8	0.44	78.3	9.2		63.9	4M
850147 2-1-24		502/416	HRS	63.6	69.6	0.42	83.0	9.9		62.3	3M
850148 2-1-25		502/392	HRS	60.7	70.3	0.40	84.8	11.3		60.2	2M
850149 2-1-26		6/ 502/426	HRS	64.2	71.1	0.39	86.3	9.5		60.6	5M
850150 2-1-27		502/419	HRS	61.4	68.2	0.41	82.1	10.0		60.2	4M
850151 2-1-28		502/391	HRS	62.8	68.0	0.41	82.0	10.5		60.6	3M
850152 2-1-29		502/427	HRS	62.6	66.9	0.38	82.5	9.2		61.2	8M
850153 2-1-31		6/ 502/406	HRS	65.2	70.2	0.40	84.8	11.1		63.7	4H
850154 2-1-32		502/413	HRS	64.8	69.2	0.44	81.7	10.5		61.7	3M
850155 2-1-33		502/415	HRS	64.1	67.8	0.40	82.5	9.5		60.7	4M
850156 2-1-34		502/424	HRS	63.2	66.6	0.42	79.9	10.4		62.8	4M
850157 2-1-35		502/399	HRS	61.2	68.7	0.43	81.7	9.9		58.9	8M
850158 2-1-36		502/395	HRS	62.3	71.2	0.39	86.4	11.7		61.6	2H
850159 2-1-37		6/ 502/389	HRS	63.3	69.7	0.39	84.8	10.8		59.9	6M

NURSCO 2

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
850125	2-1-04	502/388	HRS	64.8	63.9	2.2	890	834	5 Q-MTIME&BCRGR	
850126	2-1-05	502/398	HRS	62.9	61.7	1.1	895	821	5 P-MTIME Q-BCRGR	
850127	2-1-06	502/393	HRS	56.4	55.7	1.0	810	767	8 P-MTIME, LVOL&BCRGR	
850128	2-1-07	502/407	HRS	64.0	63.4	2.4	925	888	3 Q-BCRGR	
850129	2-1-08	502/410	HRS	63.3	63.1	2.4	800	788	6 Q-LVOL&BCRGR	
850130	2-1-09	502/431	HRS	59.4	60.6	1.5	700	774	9 P-MTIME, LVOL&BCRGR	
850131	2-1-10	502/425	HRS	63.3	63.7	4.5	800	825	5 Q-BCRGR&FYELD	
850132	2-1-10	502/487	HRS	67.6	65.5	4.4	930	800	3 Q-LVOL&BCRGR	
850133	2-1-11	502/402	HRS	63.4	63.8	4.7	710	735	9 P-FYELD, LVOL&BCRGR	
850134	2-1-12	502/387	HRS	60.1	59.9	1.8	875	863	4 P-MTIME Q-BCRGR	
850135	2-1-13	502/409	HRS	60.1	59.7	1.7	850	825	6 P-MTIME Q-BCRGR	
850136	2-1-14	502/430	HRS	59.4	59.6	1.5	810	822	6 P-MTIME Q-BCRGR	
850137	2-1-15	502/403	HRS	62.0	60.7	1.2	865	784	4 P-MTIME&LVOL	
850138	2-1-16	502/411	HRS	65.4	63.9	3.3	950	857	3	
850139	2-1-17	502/397	HRS	62.8	63.2	5.3	710	735	9 P-FYELD, LVOL&BCRGR	
850140	2-1-18	502/417	HRS	65.2	64.5	2.1	805	762	6 P-FYELD, LVOL&BCRGR	
850141	2-1-19	502/412	HRS	66.5	65.5	3.5	850	788	6 P-FYELD, LVOL&BCRGR	
850142	2-1-20	502/408	HRS	60.3	61.0	1.4	785	828	9 P-MTIME&BCRGR	
850143	2-1-20	502/520	HRS	60.0	61.4	1.3	745	832	9 P-MTIME&BCRGR	
850144	2-1-21	502/390	HRS	62.4	62.6	3.3	860	872	5 Q-BCRGR	
850145	2-1-22	502/404	HRS	63.4	62.6	3.5	885	835	5 Q-FYELD&BCRGR	
850146	2-1-23	502/394	HRS	64.8	65.6	3.3	715	765	9 P-FYELD, LVOL&BCRGR	
850147	2-1-24	502/416	HRS	62.4	62.5	1.7	855	861	5 P-MTIME Q-BCRGR	
850148	2-1-25	502/392	HRS	61.7	60.4	1.3	900	819	5 P-MTIME Q-BCRGR	
850149	2-1-26	502/426	HRS	60.8	61.3	2.4	825	856	5 Q-BCRGR	
850150	2-1-27	502/419	HRS	61.9	61.9	2.6	825	825	6 Q-FYELD&BCRGR	
850151	2-1-28	502/391	HRS	61.8	61.3	2.0	840	809	7 Q-FYELD P-BCRGR	
850152	2-1-29	502/427	HRS	62.1	62.9	4.5	765	815	7 P-FYELD&BCRGR	
850153	2-1-31	502/406	HRS	66.5	65.4	3.0	885	817	3 Q-LVOL&BCRGR	
850154	2-1-32	502/413	HRS	62.9	62.4	2.0	840	809	6 Q-MTIME P-BCRGR	
850155	2-1-33	502/415	HRS	60.9	61.4	2.8	765	796	6 P-FYELD, LVOL&BCRGR	
850156	2-1-34	502/424	HRS	64.4	64.0	2.4	820	795	8 P-FYELD, LVOL&BCRGR	
850157	2-1-35	502/399	HRS	60.5	60.6	3.5	800	806	4 Q-FYELD&BCRGR	
850158	2-1-36	502/395	HRS	63.5	61.8	2.3	855	750	6 P-LVOL&BCRGR	
850159	2-1-37	502/389	HRS	62.4	61.6	3.1	900	850	4 Q-BCRGR	

NURSCO 2

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH 1/	MSCOR	FPROT 1/	MABSC 3/	MTYPE
850160	2-1-38	6/502/385	HRS	63.4	68.3	0.43	81.1	11.5	63.3	6H
850161	2-1-39	502/432	HRS	64.0	66.2	0.40	80.6	9.2	60.1	8M
850162	2-1-40	502/429	HRS	63.8	67.9	0.39	82.8	11.0	62.1	6H
850163	2-1-40	502/485	HRS	64.3	68.4	0.38	83.7	11.1	62.2	6H
850164	2-1-41	502/423	HRS	64.4	69.7	0.34	87.3	10.0	61.5	3M
850165	2-1-42	6/502/414	HRS	63.4	69.4	0.36	86.0	10.6	62.7	3M
850166	2-1-43	502/400	HRS	63.7	69.5	0.35	86.9	11.6	61.6	3M
850167	2-1-44	6/502/421	HRS	63.6	70.6	0.35	87.6	10.9	61.8	3M
850168	2-1-45	502/422	HRS	61.1	67.8	0.46	79.4	8.9	61.1	5M
850169	2-1-46	502/386	HRS	61.6	70.1	0.37	86.2	10.9	62.0	3M
850170	2-1-47	502/405	HRS	61.9	66.5	0.42	80.1	10.1	61.0	8M
850171	2-1-48	502/396	HRS	63.4	68.6	0.41	82.4	9.8	61.2	3M
850172	2-1-48	502/517	HRS	64.1	70.9	0.41	84.9	9.0	61.3	2M
850173	1-1-01	5/502/439	HRS	63.0	71.8	0.37	87.9	9.6	60.3	8M
850174	1-1-02	502/446	HRS	64.5	68.7	0.39	83.8	9.1	59.9	6M
850175	1-1-03	6/502/454	HRS	65.1	70.1	0.40	84.7	9.3	61.0	6M
850176	1-1-04	502/440	HRS	64.1	70.1	0.40	84.7	8.7	60.0	4L
850177	1-1-05	502/435	HRS	65.0	70.5	0.36	87.0	9.0	61.1	2M
850178	1-1-06	502/456	HRS	65.2	70.3	0.37	86.4	8.9	60.4	3M
850179	1-1-07	5/502/472	HRS	63.7	70.3	0.37	86.7	9.6	61.4	4M
850180	1-1-08	502/450	HRS	63.2	68.8	0.39	83.7	8.4	61.4	4L
850181	1-1-09	502/480	HRS	64.5	70.1	0.39	85.4	8.5	60.8	2L
850182	1-1-10	502/461	HRS	64.4	68.9	0.39	84.0	10.0	62.5	8M
850183	1-1-10	502/567	HRS	64.8	67.9	0.39	82.8	9.4	62.2	8M
850184	1-1-11	502/468	HRS	63.2	66.8	0.41	80.9	8.5	60.1	8L
850185	1-1-12	502/434	HRS	64.8	71.8	0.37	88.0	8.8	60.5	3L
850186	1-1-13	502/478	HRS	63.7	72.0	0.37	88.3	8.6	60.6	3L
850187	1-1-14	502/451	HRS	63.1	69.7	0.39	84.7	7.9	60.1	2L
850188	1-1-15	502/477	HRS	65.1	71.3	0.37	87.6	10.8	60.0	2H
850189	1-1-16	6/502/445	HRS	65.5	70.3	0.34	88.1	10.5	60.1	6M
850190	1-1-17	502/469	HRS	63.3	68.5	0.38	84.0	8.9	60.7	8M
850191	1-1-18	502/460	HRS	64.9	67.2	0.39	82.1	9.1	61.9	4M
850192	1-1-19	502/464	HRS	63.3	68.6	0.40	83.3	10.3	62.5	4M
850193	1-1-20	502/474	HRS	64.2	69.2	0.38	84.8	7.9	60.2	2L
850194	1-1-20	502/569	HRS	64.1	70.0	0.38	85.8	7.8	59.8	2L

NURSCO 2

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					<u>3/</u>			<u>4/</u>		
850160	2-1-38	502/385	HRS	66.5	65.0	4.1	900	807	2 Q-FYELD	2 Q-FYELD
850161	2-1-39	502/432	HRS	61.0	61.8	3.6	680	730	8 P-FYELD, LVOL&BCRGR	8 P-FYELD, LVOL&BCRGR
850162	2-1-40	502/429	HRS	64.8	63.8	4.6	825	763	6 P-FYELD, LVOL&BCRGR	6 P-FYELD, LVOL&BCRGR
850163	2-1-40	502/485	HRS	65.0	63.9	4.6	870	802	5 Q-FYELD&BCRGR	5 Q-FYELD&BCRGR
850164	2-1-41	502/423	HRS	60.2	60.2	1.3	810	810	6 P-MTIME&BCRGR	6 P-MTIME&BCRGR
850165	2-1-42	502/414	HRS	62.0	61.4	1.3	910	873	3 Q-MTIME	3 Q-MTIME
850166	2-1-43	502/400	HRS	62.4	60.8	1.7	875	776	6 P-LVOL&BCRGR	6 P-LVOL&BCRGR
850167	2-1-44	502/421	HRS	62.4	61.5	1.8	900	844	3 Q-MTIME	3 Q-MTIME
850168	2-1-45	502/422	HRS	61.7	62.8	2.9	740	808	8 P-FYELD&BCRGR	8 P-FYELD&BCRGR
850169	2-1-46	502/386	HRS	61.6	60.7	1.2	905	849	4 P-MTIME Q-BCRGR	4 P-MTIME Q-BCRGR
850170	2-1-47	502/405	HRS	62.8	62.7	4.8	810	804	6 P-FYELD, BCRGR	6 P-FYELD, BCRGR
850171	2-1-48	502/396	HRS	61.2	61.4	1.7	805	817	5 Q-FYELD, MTIME&BCRGR	5 Q-FYELD, MTIME&BCRGR
850172	2-1-48	502/517	HRS	60.5	61.5	1.8	755	817	8 P-MTIME&BCRGR	8 P-MTIME&BCRGR
850173	1-1-01	502/439	HRS	61.6	62.0	3.3	890	915	3	3
850174	1-1-02	502/446	HRS	60.7	61.6	3.3	780	836	6 Q-FYELD&BCRGR	6 Q-FYELD&BCRGR
850175	1-1-03	502/454	HRS	62.0	62.7	3.2	840	883	4 Q-BCRGR	4 Q-BCRGR
850176	1-1-04	502/440	HRS	59.4	60.7	2.5	750	831	6 Q-P-BCRGR	6 Q-P-BCRGR
850177	1-1-05	502/435	HRS	60.3	61.3	1.9	740	802	9 P-MTIME&BCRGR	9 P-MTIME&BCRGR
850178	1-1-06	502/456	HRS	61.0	62.1	2.4	740	808	7 Q-MTIME P-BCRGR	7 Q-MTIME P-BCRGR
850179	1-1-07	502/472	HRS	62.7	63.1	3.9	880	905	2	2
850180	1-1-08	502/450	HRS	60.5	62.1	2.4	620	719	9 P-LVOL&BCRGR	9 P-LVOL&BCRGR
850181	1-1-09	502/480	HRS	59.5	61.0	1.8	665	758	9 P-MTIME, LVOL&BCRGR	9 P-MTIME, LVOL&BCRGR
850182	1-1-10	502/461	HRS	64.2	64.2	4.7	795	795	6 Q-P-LVOL&BCRGR	6 Q-P-LVOL&BCRGR
850183	1-1-10	502/567	HRS	63.3	63.9	4.7	760	797	6 P-FYELD, LVOL&BCRGR	6 P-FYELD, LVOL&BCRGR
850184	1-1-11	502/468	HRS	60.3	61.8	4.8	650	743	9 P-FYELD, LVOL&BCRGR	9 P-FYELD, LVOL&BCRGR
850185	1-1-12	502/434	HRS	60.0	61.2	2.4	785	859	6 Q-P-MTIME&BCRGR	6 Q-P-MTIME&BCRGR
850186	1-1-13	502/478	HRS	59.9	61.3	2.2	725	812	7 Q-P-MTIME&BCRGR	7 Q-P-MTIME&BCRGR
850187	1-1-14	502/451	HRS	58.2	60.3	2.2	655	785	9 P-MTIME, LVOL&BCRGR	9 P-MTIME, LVOL&BCRGR
850188	1-1-15	502/477	HRS	61.5	60.7	1.7	810	760	5 P-MTIME, LVOL&BCRGR	5 P-MTIME, LVOL&BCRGR
850189	1-1-16	502/445	HRS	62.3	61.8	3.0	845	814	4 Q-BCRGR	4 Q-BCRGR
850190	1-1-17	502/469	HRS	61.3	62.4	4.6	700	768	9 P-LVOL&BCRGR	9 P-LVOL&BCRGR
850191	1-1-18	502/460	HRS	62.7	63.6	2.3	720	776	8 P-FYELD, LVOL&BCRGR	8 P-FYELD, LVOL&BCRGR
850192	1-1-19	502/464	HRS	64.5	64.2	2.7	840	821	4 Q-FYELD&BCRGR	4 Q-FYELD&BCRGR
850193	1-1-20	502/474	HRS	58.3	60.4	2.0	615	745	9 P-MTIME, LVOL&BCRGR	9 P-MTIME, LVOL&BCRGR
850194	1-1-20	502/569	HRS	57.8	60.0	2.0	600	736	9 P-MTIME, LVOL&BCRGR	9 P-MTIME, LVOL&BCRGR

NURSCO 2

CORCORAN, CA

C.O.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH 1/	MSCOR	FPROT 1/	MABSC 3/	MTYPE
850195	1-1-21	6/ 502/470	HRS	62.9	70.3	0.37	86.3	8.4	60.0	6L
850196	1-1-22	502/443	HRS	63.8	70.5	0.41	84.5	10.0	59.1	7M
850197	1-1-23	502/476	HRS	63.4	67.2	0.45	79.0	8.4	62.3	6M
850198	1-1-24	502/437	HRS	64.1	70.3	0.43	83.5	8.7	61.2	3M
850199	1-1-25	502/465	HRS	62.1	70.8	0.43	83.8	9.5	60.7	2M
850200	1-1-26	6/ 502/449	HRS	64.1	70.7	0.38	86.3	9.4	59.5	7M
850201	1-1-27	502/441	HRS	61.7	67.9	0.41	81.7	9.3	59.4	6M
850202	1-1-28	502/455	HRS	63.9	66.7	0.43	79.4	8.0	60.1	3L
850203	1-1-29	502/467	HRS	63.1	67.6	0.38	83.0	8.6	60.7	8L
850204	1-1-31	502/473	HRS	65.2	72.8	0.52	81.4	10.3	57.2	3M
850205	1-1-32	502/433	HRS	65.1	69.5	0.45	81.3	9.1	59.7	3M
850206	1-1-33	502/442	HRS	63.9	67.2	0.40	81.4	8.8	59.5	3M
850207	1-1-34	502/462	HRS	64.1	67.6	0.43	80.4	9.6	60.6	3M
850208	1-1-35	502/479	HRS	62.5	69.2	0.40	83.5	8.6	57.7	4L
850209	1-1-36	502/447	HRS	63.7	71.0	0.39	86.0	10.0	59.3	3M
850210	1-1-37	502/452	HRS	64.8	69.1	0.39	84.2	9.4	58.8	8M
850211	1-1-38	502/458	HRS	64.8	69.2	0.51	77.9	9.7	62.1	8M
850212	1-1-39	502/471	HRS	64.4	66.0	0.41	79.7	8.7	61.3	6L
850213	1-1-40	502/475	HRS	64.7	67.9	0.42	81.6	9.8	62.0	8M
850214	1-1-40	502/533	HRS	64.5	68.2	0.40	82.7	10.2	61.6	8M
850215	1-1-41	502/436	HRS	64.6	71.5	0.38	87.4	8.3	58.7	2L
850216	1-1-42	502/444	HRS	63.2	69.3	0.52	77.7	10.0	59.0	3M
850217	1-1-43	502/448	HRS	65.3	71.2	0.35	88.7	9.8	59.9	3M
850218	1-1-44	502/453	HRS	64.2	70.5	0.37	86.6	9.2	58.9	2M
850219	1-1-45	502/463	HRS	62.0	67.6	0.47	78.5	8.1	58.6	6L
850220	1-1-46	502/459	HRS	63.2	68.7	0.38	84.2	9.0	60.3	2M
850221	1-1-47	502/466	HRS	63.8	67.8	0.42	81.2	8.5	59.6	8L
850222	1-1-48	502/438	HRS	63.8	68.8	0.39	83.8	8.1	59.0	2L
850223	1-1-49	502/564	HRS	64.3	70.2	0.39	85.6	8.3	59.0	1L

NURSCO 2

CORCORAN, CA

C.O. QUALSET

LARNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCGR	RMKS
					3/			4/		
850195	1-1-21	502/4170	HRS	60.1	61.7	3.3	790	889	4 Q-BCGR	
850196	1-1-22	502/4433	HRS	60.8	60.8	3.6	790	790	8 P-LVOL&BCGR	
850197	1-1-23	502/4176	HRS	62.4	64.0	3.3	675	774	9 P-FYELD, LVOL, BCGR	
850198	1-1-24	502/437	HRS	60.6	61.9	1.9	785	866	5 P-MTIME&BCGR	
850199	1-1-25	502/465	HRS	60.4	60.9	1.3	750	781	8 P-MTIME, LVOL&BCGR	
850200	1-1-26	502/449	HRS	60.1	60.7	2.9	790	827	4 Q-BCGR	
850201	1-1-27	502/441	HRS	60.4	61.1	2.9	785	828	6 P-FYELD Q-BCGR	
850202	1-1-28	502/455	HRS	59.8	61.8	3.0	625	749	9 P-FYELD, LVOL&BCGR	
850203	1-1-29	502/467	HRS	61.0	62.4	4.5	710	797	8 P-FYELD, BCGR	
850204	1-1-31	502/473	HRS	59.2	58.9	2.8	745	726	6 P-LVOL Q-BCGR	
850205	1-1-32	502/433	HRS	60.0	60.9	2.1	750	806	5 Q-MTIME&BCGR	
850206	1-1-33	502/442	HRS	60.0	61.2	2.1	660	734	8 P-FYELD, MTIME, LVOL&BCGR	
850207	1-1-34	502/462	HRS	61.9	62.3	2.6	765	790	7 P-FYELD, LVOL&BCGR	
850208	1-1-35	502/479	HRS	58.0	59.4	3.3	670	757	8 P-LVOL&BCGR	
850209	1-1-36	502/447	HRS	60.0	60.0	2.0	795	795	4 P-MTIME, LVOL Q-BCGR	
850210	1-1-37	502/452	HRS	59.9	60.5	3.2	770	807	6 P-LVOL&BCGR	
850211	1-1-38	502/458	HRS	63.5	63.8	4.2	765	784	6 P-LVOL&BCGR	
850212	1-1-39	502/471	HRS	61.7	63.0	3.9	650	731	9 P-FYELD, LVOL&BCGR	
850213	1-1-40	502/475	HRS	63.5	63.7	5.0	775	787	6 P-FYELD, LVOL&BCGR	
850214	1-1-40	502/533	HRS	63.5	63.3	4.4	800	788	6 P-FYELD, LVOL&BCGR	
850215	1-1-41	502/436	HRS	57.7	59.4	2.2	675	780	9 P-MTIME, LVOL&BCGR	
850216	1-1-42	502/444	HRS	59.7	59.7	2.2	805	805	8 P-MTIME, LVOL&BCGR	
850217	1-1-43	502/448	HRS	60.4	60.6	1.9	730	742	6 P-MTIME, LVOL&BCGR	
850218	1-1-44	502/453	HRS	57.8	58.6	1.9	760	810	6 P-MTIME, LVOL&BCGR	
850219	1-1-45	502/463	HRS	58.4	60.3	3.5	650	768	9 P-FYELD, LVOL&BCGR	
850220	1-1-46	502/459	HRS	59.0	60.0	1.7	755	817	8 P-MTIME, LVOL&BCGR	
850221	1-1-47	502/466	HRS	59.8	61.3	4.7	710	803	8 P-FYELD, LVOL&BCGR	
850222	1-1-48	502/438	HRS	57.3	59.2	1.9	600	718	9 P-MTIME, LVOL&BCGR	
850223	1-1-49	502/564	HRS	57.0	58.7	1.5	650	755	9 P-MTIME, LVOL&BCGR	

COMMENTS: The most common deficiencies of this group of experimental selections are short mixing (weak dough), low loaf volumes, and heavy and coarse bread crumb characteristics. Some selections also have poor milling, characterized by low flour yield and high flour ash. See remarks column for specific deficiencies. Note also that a few of the selections footnoted as promising are borderline with questionable characteristics, but they are all the best of the selections for quality.

Q = Questionable; P = Poor

NURSCO 3

CORCORAN, CA

H. VOGT

LABNUM	VARIETY	IDNO	CLASS	TWT	FYIELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						<u>1/</u>		<u>1/</u>	<u>3/</u>	
850224	ANZA (C1015284) 3	565/01	HRS	64.6	71.2	0.36	88.1	10.0	60.3	2M
850225	TADINIA 3	565/04	HRS	62.9	67.8	0.39	82.5	9.5	59.0	3M
850226	SHASTA (C1003976) 3	565/05	HRS	65.1	68.7	0.41	82.5	10.9	60.2	2H
850227	VEERY 3	565/06	HRS	64.7	66.4	0.39	81.2	11.3	61.2	2H
850228	KLASIC 3	<u>5/</u> 565/07	HWS	66.0	72.0	0.39	87.2	10.9	61.0	6H
850229	WESTBRED 911 3	565/08	HRS	64.6	64.4	0.40	78.7	10.6	63.1	5H
850230	TZPP * ANZA2 3	<u>6/</u> 565/11	HRS	66.5	71.0	0.33	89.1	10.4	60.1	2H
850231	LRR ANZA 3	565/12	HRS	65.4	69.1	0.34	86.6	9.4	58.8	2M
850232	BB S' * ANZA 3	565/13	HRS	65.1	71.5	0.38	87.1	9.0	59.3	2M
850233	AZTECA * ANZA 3	<u>6/</u> 565/14	HRS	64.4	70.0	0.38	85.7	10.5	61.0	4M
850234	YECORA S' * MEXIFEN 3	<u>5/</u> 565/15	HRS	64.3	70.4	0.41	84.3	10.2	59.8	5H
850235	SIETE CERROS 66 3	565/19	HWS	64.2	63.6	0.41	77.6	9.1	63.1	4M
850236	ANZA (C1015284) 1	565/01	HRS	63.9	68.1	0.38	83.8	8.4	59.4	2M
850237	TADINIA 1	565/04	HRS	62.1	67.8	0.38	83.1	9.0	61.8	5M
850238	SHASTA (C1003976) 1	565/05	HRS	64.7	68.5	0.41	82.3	10.2	61.0	4H
850239	VEERY 1	565/06	HRS	64.3	64.5	0.39	79.3	10.3	63.4	7M
850240	KLASIC 1	<u>6/</u> 565/07	HWS	66.6	71.0	0.36	87.6	9.2	61.2	7H
850241	WESTBRED 911 1	565/08	HRS	64.1	62.7	0.41	76.5	8.7	65.2	8M
850242	TZPP * ANZA2 1	565/11	HRS	65.4	69.7	0.37	85.8	9.2	62.2	4M
850243	LRR ANZA 1	565/12	HRS	64.3	66.8	0.38	82.0	8.0	61.9	3L
850244	BB S' * ANZA 1	565/13	HRS	64.5	71.5	0.38	87.0	8.5	60.4	3M
850245	AZTECA * ANZA 1	565/14	HRS	64.4	66.9	0.40	81.5	8.5	61.8	7M
850246	YECORA S' * MEXIFEN 1	<u>6/</u> 565/15	HRS	63.9	71.2	0.42	84.8	9.1	60.7	8M
850247	SIETE CERROS 66 1	565/19	HWS	63.7	62.7	0.41	76.5	8.7	65.0	6M

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 10% Protein.

4/ Observed Values Corrected to 10% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 3

CORCORAN, CA

H. VOGT

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					<u>3/</u>			<u>4/</u>		
850224	ANZA (C1015284) 3	565/01	HRS	60.5	60.5	1.5	815	815		8P-MTINE&BCRGR
850225	TADINIA 3	565/04	HRS	59.2	59.7	2.2	815	846		6P-FYELD,M.T. & BCRGR
850226	SHASTA (C1003976) 3	565/05	HRS	62.8	61.9	2.3	880	824		5Q-FYELD,&BCRGR
850227	VEERY 3	565/06	HRS	64.2	62.9	2.0	845	764		6Q-FYELD,LVOL&BCRGR
850228	KLASIC 3	565/07	HWS	63.6	62.7	4.8	1000	944		2
850229	WESTBRED 911 3	565/08	HRS	65.4	64.8	4.0	840	803		2P-FYELD, Good Baking
850230	TZPP * ANZA2 3	565/11	HRS	62.2	61.8	1.8	870	845		2Q-MTINE
850231	LRR ANZA 3	565/12	HRS	58.9	59.5	1.4	735	772		8P-MTINE,LVOL&BCRGR
850232	BB S' * ANZA 3	565/13	HRS	57.0	58.0	1.0	800	862		8P-MTINE&BCRGR
850233	AZTECA * ANZA 3	565/14	HRS	62.2	61.7	2.0	915	884		2Q-MTINE
850234	YECORA S' * MEXIFEN 3	565/15	HRS	61.7	61.5	4.7	930	918		2
850235	SIEETE CERROS 66 3	565/19	HWS	63.9	64.8	2.6	785	841		7VP-FYELD&BCRGR
850236	ANZA (C1015284) 1	565/01	HRS	59.5	61.1	2.3	660	759		8P-LVOL&BCRGR
850237	TADINIA 1	565/04	HRS	60.5	61.5	2.6	850	912		6Q-FYELD&BCRGR
850238	SHASTA (C1003976) 1	565/05	HRS	63.9	63.7	3.0	785	773		4Q-LVOL&BCRGR
850239	VEERY 1	565/06	HRS	67.4	67.1	3.4	790	771		6P-FYELD,LVOL&BCRGR
850240	KLASIC 1	565/07	HWS	62.1	62.9	6.2	800	850		4Q-LVOL&BCRGR
850241	WESTBRED 911 1	565/08	HRS	65.6	66.9	4.7	730	811		6VP-FYELD,BCRGR
850242	TZPP * ANZA2 1	565/11	HRS	63.1	63.9	4.0	810	860		6Q-P-bcrgr
850243	LRR ANZA 1	565/12	HRS	60.6	62.6	1.9	675	799		8P-FYELD,LVOL&BCRGR
850244	BB S' * ANZA 1	565/13	HRS	58.6	60.1	1.9	810	903		9VP-BCRGR,Good Milling
850245	AZTECA * ANZA 1	565/14	HRS	61.0	62.5	2.8	780	873		9P-FYELD,BCRGR
850246	YECORA S' * MEXIFEN 1	565/15	HRS	61.5	62.4	6.6	830	886		4Q-BCRGR-Some Promise
850247	SIEETE CERROS 66 1	565/19	HWS	65.4	66.7	3.2	760	841		8VP-FYELD&BCRGR

COMMENTS: The performance of some of the cultivars included in this nursery are atypical of past experiences, i.e. the milling quality of Shasta and of Siete Cerros have always been good. The results suggest the possibility of a mix-up in identification. See "Remarks" for specific deficiencies of other selections and footnotes for the promising selections.

P = Poor; VP = Very Poor; Q = Questionable; M.T. = Mix Time

NURSCO 4

BUTTE CO., CA

L.F. JACKSON

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	RMKS
						1/		1/	3/		
850248	ANZA (C1015284)	20	HRS	64.9	70.5	0.36	87.4	7.7			
850249	YECORA ROJO (C1017414)	112	HRS	66.3	69.6	0.38	85.3	8.8			
850250	PHOENIX (C1017962)	221	IIW	64.8	70.9	0.36	87.7	7.3			
850251	PROBRED	243	HRS	65.8	69.0	0.36	85.5	8.3			
850252	YOLO	353	HRS	65.3	72.0	0.34	89.6	7.0			
850253	KLASIC	415	IIWS	66.9	70.4	0.35	87.8	8.5			
850254	WESTBRED 911	521	HRS	65.1	65.7	0.37	81.8	7.5			P-FYELD
850255	NK 2437	536	HRS	66.0	67.9	0.37	83.7	7.9			
850256	PROBRAND 775 (NK4236)	538	HRS	64.4	70.3	0.37	86.6	6.8			
850257	TADINIA (UC544)	544	HRS	63.8	71.0	0.33	89.4	7.1			
850258	IPRI 8314	619	IIHS	64.8	71.1	0.35	88.2	8.7			
850259	IPRI 8322	620	IIHS	65.1	67.0	0.36	83.7	8.1			
850260	9031	623	HRS	65.7	67.4	0.34	84.9	8.2			
850261	WRE 80-34	624	IIHS	65.1	68.1	0.34	85.6	8.0			
850262	PORTOLA X ANZA (UC627)	627	HRS	67.1	69.5	0.33	87.6	8.2			
850263	TZPP X ANZA2 (UC628)	628	HRS	66.3	68.6	0.38	84.2	7.9			
850264	TZPP X ANZA2 (UC629)	629	HRS	65.7	70.4	0.36	87.2	7.5			
850265	TZPP X ANZA2 (UC630)	630	HRS	66.4	69.7	0.35	87.1	7.9			
850266	CM 43367	631	HWS	66.2	66.9	0.37	83.0	8.6			P-FYELD
850267	ANZA LRR	632	HRS	65.2	68.6	0.35	85.9	7.2			
850268	BB S' X ANZA (UC633)	633	HRS	65.1	72.4	0.35	89.5	7.2			
850269	AZTECA X ANZA (UC634)	634	HRS	66.7	67.9	0.39	83.1	7.6			
850270	((INIA X CNO)CAL) X ANZA (UC635)	635	HRS	65.8	69.5	0.39	84.8	8.2			
850271	((INIA X CNO)CAL) X ANZA (UC636)	636	HRS	65.5	70.1	0.39	85.3	8.3			
850272	STURDY X ANZA (UC637)	637	HRS	66.5	69.3	0.34	86.8	8.0			
850273	YECORA ROJO S' X MEXIFEN (CM16076)	638	HRS	65.2	72.5	0.37	88.6	7.5			
850274	IPRI 83501	671	HRS	65.3	65.7	0.38	81.1	8.4			P-FYELD
850275	P982-38	672	HRS	65.0	65.1	0.39	80.1	7.2			P-FYELD
850276	P982-83	673	HRS	65.5	65.2	0.37	81.0	7.5			P-FYELD
850277	MP-302	678	HRS	65.7	70.5	0.36	87.0	8.6			
850278	MP-325	679	HRS	65.3	71.1	0.34	88.7	9.5			
850279	CALGENE 1551	680	HWS	64.2	67.2	0.42	80.5	8.2			
850280	TADORNA X INIA (UC681)	681	HRS	64.2	68.7	0.33	86.9	8.6			
850281	TADORNA X INIA (UC682)	682	HRS	64.5	69.3	0.33	87.5	8.7			
850282	(TADORA X INIA) X ANZA (UC683)	683	HRS	64.8	63.1	0.39	77.9	6.2			P-FYELD

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 8% Protein.

4/ Observed Values Corrected to 8% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 4

BUTTE CO., CA

L.F. JACKSON

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	RMKS
850283 VEERY S'		684	HRS	65.7	66.8	0.39	81.8	8.6			P-FYELD
						1/		1/	3/		

COMMENTS: Due to the low protein content, no baking analysis were conducted. See Nursery Code (NURSCO) #6 for corresponding baking results of this research material.

P= Poor

NURSCO 5

SUTTER CO., CA

L.F. JACKSON

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	RHKS
						1/		1/	3/		
850284	ANZA (C1015284)	20	HRS	64.2	67.6	0.34	85.1	6.7			
850285	YECORA ROJO (C1017414)	112	HRS	66.2	68.6	0.37	84.8	8.7			
850286	PHOENIX (C1017962)	221	HRS	64.1	70.3	0.35	87.6	7.2			
850287	PROBRED	243	HRS	66.0	67.6	0.36	84.3	8.5			
850288	YOLO	353	HRS	65.0	71.7	0.34	89.4	7.2			
850289	KLASIC	415	HRS	66.8	69.2	0.35	86.5	8.0			
850290	WESTBRED 911	521	HRS	63.9	65.3	0.39	80.2	6.2			P-FYELD
850291	NK 2437	536	HRS	66.3	66.8	0.37	82.7	7.9			
850292	PROBRAND 775 (NK4236)	538	HRS	65.3	69.3	0.37	85.2	6.6			
850293	TADORNIA (UC5444)	544	HRS	63.6	70.5	0.31	89.8	6.6			
850294	IPRI 8314	619	HRS	65.2	67.6	0.35	84.7	7.8			
850295	IPRI 8322	620	HRS	65.7	65.4	0.36	82.1	7.3			
850296	9031	623	HRS	66.2	63.8	0.35	80.9	7.0			P-FYELD
850297	WRE 80-34	624	HRS	65.3	66.0	0.34	83.3	7.4			P-FYELD
850298	PORTOLA X ANZA (UC627)	627	HRS	66.7	67.1	0.35	84.3	8.0			
850299	TZPP X ANZA2 (UC628)	628	HRS	66.2	67.9	0.36	84.6	7.8			
850300	TZPP X ANZA2 (UC629)	629	HRS	64.9	69.5	0.36	85.9	7.0			
850301	TZPP X ANZA2 (UC630)	630	HRS	65.6	69.9	0.33	88.0	7.8			
850302	CM 43367	631	HRS	65.7	65.7	0.36	82.2	8.1			P-FYELD
850303	ANZA LRR	632	HRS	64.5	67.7	0.36	84.1	6.8			
850304	BB S' X ANZA (UC633)	633	HRS	64.0	69.8	0.40	84.5	5.9			
850305	AZTECA X ANZA (UC634)	634	HRS	66.6	63.7	0.39	78.8	7.2			
850306	((INIA X CNO)CAL) X ANZA (UC635)	635	HRS	65.7	67.5	0.38	83.1	8.1			P-FYELD
850307	((INIA X CNO)CAL) X ANZA (UC636)	636	HRS	65.4	67.8	0.36	84.2	8.5			
850308	STURDY X ANZA (UC637)	637	HRS	65.9	67.6	0.38	83.3	6.9			
850309	YECORA ROJO S' X MEXIFEN (CM16076)	638	HRS	64.5	69.3	0.35	86.2	6.6			
850310	IPRI 83501	671	HRS	64.7	63.7	0.41	77.3	7.0			P-FYELD
850311	P982-38	672	HRS	63.5	63.0	0.39	77.9	6.1			P-FYELD
850312	P982-83	673	HRS	63.5	64.0	0.39	78.9	6.1			P-FYELD
850313	MP-302	678	HRS	66.3	68.9	0.36	85.5	9.3			
850314	MP-325	679	HRS	64.6	69.1	0.36	85.8	8.6			
850315	CALGENE 1551	680	HRS	64.3	63.6	0.41	77.5	7.0			P-FYELD
850316	TADORNA X INIA (UC681)	681	HRS	64.6	66.7	0.33	84.6	7.4			
850317	TADORNA X INIA (UC682)	682	HRS	63.9	66.4	0.33	84.3	7.3			
850318	(TADORNA X INIA) X ANZA (UC683)	683	HRS	64.2	62.2	0.38	77.4	5.8			

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 7% Protein.

4/ Observed Values Corrected to 7% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 5

SUTTER CO., CA

L.F. JACKSON

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	RMKS
850319	VEERY S'	684	HRS	64.8	62.7	0.41	76.6	7.4			
						1/		1/	3/		P-FYELD

COMMENTS: Due to the low protein content, no baking analysis were conducted. See Nursery Code (NURSCO) #6 for corresponding baking results of this research material.

P = Poor

NURSCO 6

KINGS CO., CA

L.F. JACKSON

LABNUM	VARIETY	IDNO	CLASS	TWT	FYLD	FASH	MSCOR	FPROT	MABSC	MTYPE
						<u>1/</u>		<u>1/</u>	<u>3/</u>	
850320	ANZA (C1015284)	20	HRS	65.7	70.7	0.35	88.0	9.5	58.7	2M
850321	YECORA ROJO (C1017414)	112	HRS	65.3	69.8	0.37	86.1	11.5	63.8	6H
850322	PHOENIX (C1017962)	221	IHW	65.7	70.0	0.35	87.0	9.7	61.6	4M
850323	PROBRED	243	HRS	64.9	69.6	0.37	86.0	11.1	61.8	5H
850324	YOLO	353	HRS	65.6	72.1	0.36	88.7	9.4	61.1	2M
850325	KLASIC	415	IWS	65.5	72.3	0.37	88.3	11.1	63.8	6H
850326	WESTBRED 911	521	HRS	65.4	67.2	0.37	83.3	10.4	63.6	5H
850327	NK 2437	6/536	HRS	64.8	69.0	0.38	84.5	11.2	63.3	6H
850328	PROBRAND 775 (NK4236)	538	HRS	63.4	71.7	0.41	86.1	10.0	65.4	5H
850329	TADORNIA (UC544)	544	HRS	64.2	70.4	0.36	87.1	9.4	61.5	4L
850330	IPRI 8314	5/619	HRS	64.2	72.2	0.36	89.2	11.2	66.8	6H
850331	IPRI 8322	6/620	HRS	64.7	69.6	0.34	87.1	10.5	66.0	5H
850332	9031	623	HRS	65.9	69.2	0.33	87.2	11.8	62.9	5H
850333	WRE 80-34	6/624	HRS	64.2	69.3	0.33	87.5	10.6	64.3	4H
850334	PORTOLA X ANZA (UC627)	6/627	HRS	66.4	72.2	0.32	91.1	11.1	62.4	3M
850335	TZPP X ANZA2 (UC628)	6/628	HRS	65.1	70.9	0.40	85.5	9.9	62.5	4M
850336	TZPP X ANZA2 (UC629)	629	HRS	65.8	72.0	0.34	89.6	10.2	61.5	3M
850337	TZPP X ANZA2 (UC630)	6/630	HRS	66.5	71.5	0.32	90.2	10.5	62.9	4M
850338	CM 43367	631	HWS	65.6	68.2	0.35	85.1	10.5	58.5	2M
850339	ANZA LRR	632	HRS	65.8	70.7	0.35	88.1	9.5	60.8	2M
850340	BB'S' X ANZA (UC633)	633	HRS	65.6	73.6	0.37	89.7	9.2	59.1	2M
850341	AZTECA X ANZA (UC634)	634	HRS	67.0	69.5	0.37	85.4	9.8	61.5	4M
850342	((INIA X CNO)CAL) X ANZA (UC635)	6/635	HRS	65.7	73.1	0.39	88.3	10.6	61.1	3M
850343	((INIA X CNO)CAL) X ANZA (UC636)	636	HRS	65.6	73.2	0.36	90.1	10.7	61.0	3M
850344	STURDY X ANZA (UC637)	637	HRS	66.1	71.4	0.35	88.8	11.2	61.7	3M
850345	YECOORA ROJO'S' X MEXIFEN CM16076)	5/638	HRS	65.6	74.0	0.39	89.5	10.2	59.2	8M
850346	IPRI 83501	671	HRS	64.9	69.6	0.37	85.9	10.9	59.4	4M
850347	P982-38	672	HRS	64.7	66.6	0.37	82.8	10.4	63.5	8M
850348	P982-83	673	HRS	65.3	67.4	0.35	84.3	10.7	63.8	6H
850349	MP-302	5/678	HRS	64.5	71.7	0.36	88.4	11.8	65.1	3H
850350	MP-325	679	HRS	64.5	70.5	0.39	85.9	10.4	63.5	4M
850351	CALGENE 1551	680	IWS	62.7	67.1	0.41	80.9	10.9	65.1	7H
850352	TADORNA X INIA (UC681)	681	HRS	65.0	68.4	0.34	85.8	10.7	63.2	4M
850353	TADORNA X INIA (UC682)	682	HRS	65.1	67.8	0.32	86.5	10.4	63.6	6M
850354	(TADORNA X INIA) X ANZA (UC683)	683	HRS	65.2	64.5	0.41	78.3	8.5	61.2	2M

1/ Observed Values Corrected to 14% Moisture Basis

3/ Absorption at 14% Moisture Corrected to 10% Protein.

4/ Observed Values Corrected to 10% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 6

KINGS CO., CA

L.F. JACKSON

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
850320	ANZA (C1015284)	20	HRS	59.9	60.4	1.8	695	726	9	
850321	YECORA ROJO (C1017414)	112	HRS	67.0	65.5	5.1	880	787	2	
850322	PHOENIX (C1017962)	221	HWS	62.0	62.3	2.3	870	889	8	Q-MTIME P-BCRGR
850323	PROBRED	243	HRS	64.6	63.5	4.1	860	792	2	
850324	YOLO	353	HRS	60.7	61.3	1.3	835	872	8	P-MTIME&BCRGR
850325	KLASIC	415	HWS	66.6	65.5	5.6	930	862	2	
850326	WESTBRED 911	521	HRS	66.7	66.3	4.2	810	785	8	P-FYELD,BCRGR
850327	NK 2437	536	HRS	66.2	65.0	5.1	885	811	2	
850328	PROBRAND 775 (NK11236)	538	HRS	67.1	67.1	4.5	875	875	4	
850329	TADINIA (UC544)	544	HRS	61.6	62.2	1.1	780	817	8	P-MTIME&BCRGR
850330	IPRI 8314	619	HRS	69.7	68.5	5.5	925	851	1	
850331	IPRI 8322	620	HRS	68.2	67.7	4.5	830	799	3	Q-BCRGR
850332	9031	623	HRS	66.9	65.1	3.2	825	713	6	Q-LVOL&BCRGR
850333	WRE 80-34	624	HRS	66.1	65.5	2.8	865	828	3	
850334	PORIOIA X ANZA (UC627)	627	HRS	64.2	63.1	2.2	910	842	3	Q-MTIME&BCRGR
850335	TZPP X ANZA2 (UC628)	628	HRS	64.1	64.2	2.8	900	906	2	
850336	TZPP X ANZA2 (UC629)	629	HRS	62.4	62.2	2.5	860	848	5	Q-P-BCRGR
850337	TZPP X ANZA2 (UC630)	630	HRS	63.6	63.1	2.3	900	869	2	Q-MTIME
850338	CM 43367	631	HWS	60.7	60.2	1.8	725	694	9	VP-MTIME, LVOL&BCRGR
850339	ANZA LRR	632	HRS	61.0	61.5	1.5	700	731	9	VP-MTIME, LVOL&BCRGR
850340	BB'S' X ANZA (UC633)	633	HRS	58.0	58.8	1.3	735	785	9	VP-MTIME, LVOL&BCRGR
850341	AZTECA X ANZA (UC634)	634	HRS	62.0	62.2	2.3	795	807	8	VP-MTIME, LVOL&BCRGR
850342	((INIA X CNO)CAL) X ANZA (UC635)	635	HRS	61.9	61.3	2.3	900	863	3	Q-MTIME&BCRGR
850343	((INIA X CNO)CAL) X ANZA (UC636)	636	HRS	61.9	61.2	1.4	855	812	5	P-MTIME&BCRGR
850344	STURDY X ANZA (UC637)	637	HRS	63.6	62.4	2.2	895	821	6	P-MTIME&BCRGR
850345	YECORA ROJO'S' X MEXIFEN CM16076)	638	HRS	61.1	60.9	5.1	860	848	2	
850346	IPRI 83501	671	HRS	62.0	61.1	2.5	810	754	4	Q-P-LVOL&BCRGR
850347	P982-38	672	HRS	66.6	66.2	4.1	815	790	5	P-FYELD&BCRGR
850348	P982-83	673	HRS	67.7	67.0	4.6	845	802	5	Q-FYELD&BCRGR
850349	MP-302	678	HRS	68.6	66.8	2.5	990	878	2	
850350	MP-325	679	HRS	64.6	64.2	2.5	905	880	4	Q-BCRGR
850351	CALGENE 1551	680	HWS	67.7	66.8	5.4	880	824	3	Q-FYELD&BCRGR
850352	TADORNA X INIA (UC681)	681	HRS	65.6	64.9	2.8	855	812	5	Q-BCRGR
850353	TADORNA X INIA (UC682)	682	HRS	64.7	64.3	2.6	870	845	4	Q-FYELD,BCRGR
850354	(TADORNA X INIA) X ANZA (UC683)	683	HRS	61.4	62.9	1.9	590	683	9	P-FYELD, LVOL&BCRGR

USDA, SEA AR
WESTERN WHEAT QUALITY LAB.
PULLMAN, WA.

KINGS CO. COMMON WHEAT TEST

NURSCO 6

KINGS CO., CA

L. F. JACKSON

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
850355 VEERY'S'		684	HRS	65.1	68.3	1/ 0.37	84.3	1/ 10.8	3/ 60.9	4M

NURSCO 6

KINGS CO., CA

L.F. JACKSON

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					<u>3/</u>			<u>4/</u>		
850355	VEERY'S'	684	HRS	64.4	63.6	2.5	815	765	3	Q-FYELD&BCRGR

COMMENTS: The outstanding selections for overall quality properties are #619, 638, & 678. Others footnoted have promise. See "Remarks" for major deficiencies of the other selections.

P = Poor; Q = Questionable; VP = Very Poor

NURSCO 7

HAYWARD, CA

S.L. PURCELL

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/		1/	3/	
850356	YECORA ROJO	C1017414	HRS	63.9	70.6	0.38	86.3	11.4	63.1	5H
850357	YOLO		HRS	64.1	71.7	0.36	88.3	9.8	62.2	2M
850358		5/ 8314	HRS	63.4	71.3	0.34	89.0	12.0	64.8	4H
850359		8322	HRS	61.8	67.7	0.36	84.5	12.6	66.2	5H
850360		10143	HRS	63.2	63.8	0.40	77.9	10.5	63.4	6M
850361		10505	HRS	64.3	70.3	0.40	84.7	10.1	62.6	6M
850362		10657	HRS	63.8	69.3	0.37	85.2	10.8	63.9	4H
850363		10662	HRS	62.0	68.4	0.38	83.7	10.7	65.2	3H
850364		10796	HRS	65.6	69.1	0.35	86.4	9.3	61.4	4M
850365		10853	HRS	62.4	68.3	0.42	81.6	11.2	62.0	4M
850366		11385	HRS	65.2	67.9	0.36	84.5	9.6	61.1	2M
850367		6/ 12805	HRS	64.9	67.8	0.37	83.9	11.8	64.7	3H
850368		14197	HRS	63.3	67.9	0.37	83.9	10.6	61.3	8M
850369		14304	HRS	63.3	63.0	0.39	77.9	9.5	61.2	2M
850370		14839	HRS	64.1	67.4	0.39	82.6	11.1	61.1	3M
850371		6/ 15508	HRS	64.5	70.1	0.39	85.3	10.7	61.6	7M
850372		83226	HRS	62.9	66.1	0.40	80.4	10.8	63.5	2H
850373		83307	HRS	64.3	67.3	0.37	83.3	10.6	59.8	3M
850374		83384	HRS	64.5	63.7	0.34	81.0	10.5	60.3	3M
850375		5/ 83438	HRS	62.6	69.6	0.33	87.6	10.8	62.0	4H
850376		83499	HRS	63.9	69.0	0.35	86.3	10.6	60.2	2M
850377		83501	HRS	63.8	68.6	0.35	85.5	10.4	59.4	2M
850378		6/ 84009	HRS	64.1	67.8	0.34	85.5	11.8	61.6	4H
850379		6/ 84016	HRS	62.9	70.4	0.36	86.9	11.9	63.1	4H
850380		84017	HRS	63.2	67.8	0.37	83.9	11.5	60.2	4M

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 11% Protein.

4/ Observed Values Corrected to 11% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 7

HAYWARD, CA

S.L. PURCELL

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC 3/	MTIME	LVOL	LVOLC 4/	BCRGR	RMKS
850356	YECORA ROJO	C1017414	HRS	65.2	64.8	4.0	935	910	2	
850357	YOLO		HRS	60.7	61.9	1.4	850	924	8	
850358		8314	HRS	67.5	66.5	3.6	930	868	2	
850359		8322	HRS	69.5	67.9	4.3	875	776	2	Q-FYELD&LVOL
850360		10143	HRS	65.6	66.1	3.3	885	916	4	P-FYELD, Q-BCRGR
850361		10505	HRS	63.4	64.3	3.3	800	856	5	P-LVOL&BCRGR
850362		10657	HRS	65.4	65.6	2.5	840	852	4	P-LVOL&BCRGR
850363		10662	HRS	65.6	65.9	2.0	890	909	2	Q-FYELD
850364		10796	HRS	62.4	64.1	2.9	685	790	8	VP-LVOL&BCRGR
850365		10853	HRS	63.9	63.7	2.8	885	873	2	Q-FYELD
850366		11385	HRS	61.4	62.8	1.8	775	862	8	P-FYELD, MTIME, LVOL
850367		12805	HRS	68.2	67.4	2.4	950	900	4	Q-FYELD, Q-BCRGR
850368		14197	HRS	63.6	64.0	3.7	895	920	4	P-FYELD, Q-BCRGR
850369		14304	HRS	61.4	62.9	1.3	580	673	9	VP-FYELD, MTIME, LVOL
850370		14839	HRS	62.9	62.8	2.1	815	809	6	P-FYELD&LVOL
850371		15508	HRS	64.5	64.8	3.6	885	904	3	
850372		83226	HRS	65.0	65.2	2.0	865	877	7	P-FYELD, LVOL
850373		83307	HRS	61.1	61.5	1.8	740	765	9	P-FYELD, LVOL&BCRGR
850374		83384	HRS	61.5	62.0	2.0	685	716	9	VP-FYELD, LVOL&BCRGR
850375		83438	HRS	63.5	63.7	2.6	905	917	2	
850376		83499	HRS	64.5	64.9	2.0	740	765	9	P-LVOL&BCRGR
850377		83501	HRS	60.5	61.1	2.2	735	772	8	P-LVOL&BCRGR
850378		84009	HRS	65.1	64.3	2.6	885	835	2	Q-FYELD
850379		84016	HRS	66.7	65.8	4.1	895	839	2	
850380		84017	HRS	63.4	62.9	2.1	810	779	6	P-FYELD, LVOL&BCRGR

COMMENTS: Several of these selections have questionable and poor flour yields and/or short mixing properties with associated low loaf volumes and heavy crumb grains. (See "REMARKS" column.) The selections which have good overall milling and baking properties of hard red wheats are identified with footnotes (IDNO).

Q = Questionable; P = Poor; VP= Very Poor

NURSCO 8

PULLMAN, WA

G.W. BRUEHL

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	CODI	CODIC	RMKS
					<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>1/</u>	<u>3/</u>			<u>4/</u>	
850381	SPRAGUE		SWW	61.2	70.5	0.45	82.3	10.0	53.5	1M	9.56	9.56	
850382	FR-20/77-291 F1//77-294-6	C1015376	HWW	59.6	71.7	0.50	80.4	10.8	55.1	2M	8.89	8.95	Q-CODI(Hard?)
850383	FR-20/77-291 F1//77-294-8	S-15	SWW	62.0	68.6	0.45	79.6	10.5	53.4	2M	8.91	8.97	Q-CODI&FYELD
850384	74-254/DAWS F1//77-294-6	<u>6/</u> S-24	SWW	59.6	70.2	0.46	81.1	10.6	53.7	2M	9.31	9.38	
850385	74-254/DAWS F1//77-294-12	S-26	SWW	59.6	68.9	0.45	80.0	10.6	54.3	2M	9.04	9.10	
850386	77-261/77-287//79-177 F3		SWW	59.6	70.2	0.46	81.5	10.4	55.0	2M	9.04	9.08	

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 10% Protein.

4/ Observed Values Corrected to 10% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

COMMENTS: The flour ash was high in the entire group, resulting in lower than normal milling scores. Selection S-15 appears hard in texture.
S-26 and the last F₃ cross are marginal in cookie spread. See footnotes and "Remarks" for other characteristics.

Q = Questionable

NURSCO 9

WATERVILLE, WA

G.W. BRUEHL

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	CODI	CODIC	RMKS
					1/	1/	1/	1/	3/			4/	
850387	77-287 (SPRAGUE/PETERSON CLUB)	6/S-1	SWW	63.2	68.8	0.32	88.5	7.9	51.0	5L	9.44	9.32	
850388	79-177	S-3	HWW	64.8	70.3	0.35	86.6	9.4	53.6	3M	8.89	8.92	Q-CODI(Hard?)
850389	77-261/777-287-1	6/S-10	SWW	63.2	68.4	0.31	88.2	8.1	52.5	3L	9.56	9.46	
850390	77-261/777-287-6	5/S-11	SWW	63.2	70.4	0.33	89.9	8.7	52.7	3L	9.37	9.34	
850391	77-261/777-287-9	6/S-12	SWW	62.8	69.4	0.37	85.9	8.4	51.7	3L	9.36	9.30	
850392	77-261/777-287-10	6/S-13	SWW	64.0	69.2	0.33	87.9	8.2	53.8	4L	9.46	9.37	
850393	FR-20/777-291 F1/777-294-6	S-15	SWW	61.2	70.8	0.37	87.7	7.9	51.5	2L	9.02	8.90	Q-CODI
850394	FR-20/777-291 F1/777-294-8	S-16	SWW	64.8	68.4	0.34	86.6	8.9	52.0	2L	8.70	8.69	P-CODI
850395	FR-20/777-291 F1/777-294-11	S-17	SWW	60.8	66.9	0.34	84.7	7.8	53.0	2L	9.19	9.06	Q-FYELD&CODI
850396	80-124/777-99/777-294 F1	6/S-20	SWW	63.2	68.4	0.33	87.0	8.9	52.0	1M	9.40	9.39	
850397	74-254/DAWS F1/777-294-6	5/S-24	SWW	62.4	69.7	0.35	87.3	8.6	52.2	3L	9.79	9.74	
850398	74-254/DAWS F1/777-294-12	6/S-26	SWW	62.8	69.6	0.35	87.4	8.8	54.7	3M	9.26	9.24	
850399	77-99/77-294 F1/777-13-1	6/S-29	SWW	64.0	69.8	0.33	88.8	8.4	52.4	8L	9.14	9.07	Sl. Low CODI
850400	77-99/77-294 F1/777-13-4	6/S-30	SWW	64.0	67.7	0.29	88.5	9.4	52.9	4L	9.52	9.57	
850401	77-99/75-257-3	6/S-31	SWW	63.2	68.0	0.35	85.5	8.8	52.7	5L	9.32	9.30	
850402	DAWS	C1017419	SWW	62.8	66.1	0.35	82.7	8.1	53.8	2L	9.22	9.13	
850403	SPRAGUE	C1015376	SWW	63.6	67.9	0.34	85.6	8.2	52.7	2L	9.40	9.35	
850404	JOHN	WA6819	SWW	62.4	69.3	0.47	79.4	10.6	52.2	2M	9.31	9.49	
850405	74-254/DAWS F1/777-294 BULK	6/	SWW	62.4	68.5	0.37	84.5	8.7	52.1	3L	9.56	9.53	
850406	77-13	6/	SWW	64.4	66.8	0.31	86.1	8.9	53.5	6L	9.50	9.49	
850407	77-261 (WA7050)	6/	SWW	62.4	70.4	0.35	88.7	7.9	53.7	3L	9.46	9.34	
850408	FR-20/777-291 F1/777-294 BULK	6/	SWW	62.8	67.7	0.35	85.2	8.2	53.8	4L	9.26	9.17	Sl. Low FYELD&CODI
850409	80-73	6/	SWW	64.8	67.8	0.38	83.5	8.6	52.7	2L	9.11	9.07	Sl. Low FYELD&CODI
850410	80-98	6/	SWW	65.2	66.8	0.38	81.8	8.9	53.7	2M	9.62	9.61	Sl. Low FYELD

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 9% Protein.

4/ Observed Values Corrected to 9% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

COMMENTS: There are several promising selections in this set of experimental wheats. In comparison with the three check varieties (Daws, Sprague, and John) the selections footnoted as promising are equal to or better in overall quality. S-11 and S-24 are most outstanding.

Q = Questionable; P = Poor; Sl. = Slightly

NURSCO 10

WATERVILLE, WA

G.W. BRUEHL

LABNUM	VARIETY	IDNO	CLASS	TWT	FYIELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/		1/	3/	
850411 HATTON		C1017772	HRW	66.2	69.9	0.33	88.4	11.5	59.8	8M
850412 77-99-1		S-32	HRW	63.2	69.2	0.32	88.0	9.3	58.0	8L
850413 77-99-2		S-33	HRW	63.6	70.2	0.30	90.1	9.2	58.1	8L
850414 77-99-6		S-34	HRW	63.2	69.0	0.30	88.6	9.6	57.6	8L
850415 77-99-10		5/ S-36	HRW	63.6	69.5	0.35	86.7	10.2	58.1	8L
850416 77-99-11		6/ S-37	HRW	63.2	69.8	0.32	88.8	9.3	57.5	8L
850417 77-99-12		S-38	HRW	62.8	69.7	0.31	88.9	8.5	56.5	8L
850418 77-99-13		S-39	HRW	62.8	67.4	0.31	86.7	8.7	57.6	8L
850419 77-99-14		S-40	HRW	62.8	68.8	0.30	88.7	9.1	57.2	8L
850420 77-99-15		5/ S-41	HRW	63.2	67.9	0.29	88.1	9.8	57.8	8L
850421 77-99-17		6/ S-42	HRW	62.4	69.9	0.33	88.3	10.2	58.3	8L
850422 77-99-19		S-43	HRW	63.2	68.9	0.31	88.0	9.2	56.1	8L
850423 77-99-21		5/ S-44	HRW	62.8	69.5	0.30	89.2	9.2	57.4	8L
850424 77-99-23		S-45	HRW	63.2	67.8	0.30	87.5	8.6	56.1	8L
850425 77-99-24		S-46	HRW	63.2	69.1	0.32	87.8	9.2	57.9	8L
850426 77-99-25		S-47	HRW	62.8	69.1	0.31	88.1	9.0	56.6	8L
850427 77-99-29		S-48	HRW	62.4	69.3	0.33	87.4	9.0	59.1	8L
850428 77-99-30		S-49	HRW	62.8	66.8	0.31	85.8	9.2	57.6	8L
850429 77-99-31		5/ S-50	HRW	63.2	69.6	0.32	88.6	8.8	58.9	8L
850430 WA 6820			HRW	63.2	68.4	0.32	87.3	9.3	57.2	8L

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 9% Protein.

4/ Observed Values Corrected to 9% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 10

WATERVILLE, WA

G.W. BRUEHL

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					<u>3/</u>			<u>4/</u>		
850411 HATTON		C1017772	HRW	64.0	61.5	4.4	885	730	4	
850412 77-99-1		S-32	HRW	60.0	59.7	4.7	715	696	8P-BCRGR	
850413 77-99-2		S-33	HRW	60.0	59.8	5.1	775	763	8P-BCRGR	
850414 77-99-6		S-34	HRW	59.9	59.3	4.8	815	778	8P-BCRGR	
850415 77-99-10		S-36	HRW	61.0	59.8	4.6	815	741	4	
850416 77-99-11		S-37	HRW	59.5	59.2	4.8	740	721	6	
850417 77-99-12		S-38	HRW	57.7	58.2	5.1	625	656	9VP-LVOL&BCRGR	
850418 77-99-13		S-39	HRW	59.0	59.3	5.5	600	619	9VP-LVOL&BCRGR	
850419 77-99-14		S-40	HRW	59.0	58.9	5.1	725	719	8P-BCRGR	
850420 77-99-15		S-41	HRW	60.3	59.5	5.5	780	730	4	
850421 77-99-17		S-42	HRW	61.2	60.0	4.7	775	701	6	
850422 77-99-19		S-43	HRW	58.0	57.8	4.6	675	663	9VP-LVOL&BCRGR	
850423 77-99-21		S-44	HRW	59.3	59.1	5.3	760	748	4	
850424 77-99-23		S-45	HRW	57.4	57.8	5.3	650	675	8P-BCRGR	
850425 77-99-24		S-46	HRW	59.8	59.6	5.2	695	683	6Q-LVOL	
850426 77-99-25		S-47	HRW	58.3	58.3	5.3	645	645	8VP-LVOL&BCRGR	
850427 77-99-29		S-48	HRW	60.8	60.8	5.2	720	720	7P-BCRGR	
850428 77-99-30		S-49	HRW	59.5	59.3	5.0	715	703	7P-BCRGR&FYELD	
850429 77-99-31		S-50	HRW	60.4	60.6	4.6	755	767	4	
850430 WA 6820			HRW	59.2	58.9	4.4	700	681	6	

COMMENTS: S-32 THRU S-50 are selected plants from the bulk (WA 6820). The largest variation is in loaf volume and bread crumb grain. A high of 815 cc to a low of 600 cc is observed in loaf volume. Bread score varied from 4 to 9 in the corresponding loafs. The six selections that are strongest are footnoted. The bulk of these should improve the baking performance of WA 6820. The check variety, Hattan, was harvested from a plot of thin stands and may be of different quality.

P = Poor; VP = Very Poor; Q = Questionable

NURSCO 11

PULLMAN, WA

G.W. BRUEHL

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						<u>1/</u>		<u>1/</u>	<u>3/</u>	
850431 HATTON		C1017772	HRW	64.8	71.4	0.38	87.3	11.8	63.2	3H
850432 WA6820			HRW	61.2	71.2	0.36	87.7	12.6	61.6	4H

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					<u>3/</u>			<u>4/</u>		
850431 HATTON		C1017772	HRW	63.7	63.9	2.4	975	987	2	
850432 WA6820			HRW	62.9	62.3	3.6	945	908	2	

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 12% Protein.

4/ Observed Values Corrected to 12% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

COMMENTS: Companion to Nursery Code 010.

NURSCO 12

RITZVILLE, WA

C.J. PETERSON

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	BABS
						1/		1/	3/		
850433	DAWS	C1017419	SWW	61.5	68.5	0.42	81.3	10.7	53.8	4M	
850434	LEWJAIN	C1017909	SWW	62.6	69.9	0.40	84.8	10.6	58.5	3M	
850435	HILL 81	C1017954	SWW	61.3	73.0	0.46	85.0	11.2	57.2	2M	
850436	TYEE	C1017773	CLUB	60.7	71.8	0.43	85.4	10.0	52.5	2M	
850437	CREW	C1017951	CLUB	61.1	71.6	0.44	84.5	10.5	52.0	2M	
850438	LUKE/BR704434	6/VH075298	SWW	61.3	69.3	0.41	83.4	10.5	56.4	4M	
850439	VH75491/DAWS	6/VH081479	SWW	59.8	68.1	0.42	81.0	10.6	56.2	3M	
850440	LUKE/VH67376//LUKE	VH082252	SWW	59.3	69.2	0.44	81.1	10.4	57.1	2M	
850441	LUKE/VH67375//VPM-1/MOS	5/VH082258	SWW	60.7	71.1	0.43	84.0	11.0	56.9	2M	
850442	FARO/BRB//WA6581	5/VH083185	SWW	62.4	69.7	0.39	85.3	10.3	50.8	1M	
850443	HILL 81/WA6242	VH082237	HWW	62.4	72.9	0.44	85.7	12.6	58.9	2M	60.2
850444	LUKE/VH67375//CERCO	6/VH082253	SWW	58.9	69.3	0.42	82.5	11.1	57.2	4M	57.5
850445	N701423//LUKE//ID101	6/VH082277	SWW	59.3	70.1	0.45	81.7	10.8	55.5	4M	55.5
850446	LEWJAIN/AMIGO-13	6/VH083021	SWW	61.6	69.0	0.39	84.1	11.0	57.1	2M	56.8
850447	VPM-1/MOS//CER/3/LUKE	6/VH083194	SWW	59.6	68.1	0.40	82.6	10.6	57.2	3M	58.5
850448	VH68266//LUKE//WA6242	VH083352	SWW	61.3	67.6	0.40	81.5	10.7	57.4	4M	
850449	MARIS HUNTSMAN/VH74521	WA056910	HWW	61.8	72.6	0.45	85.2	11.3	55.6	1H	
850450	MARIS HUNTSMAN/VH74521	WA066910	HWW	60.7	71.9	0.47	82.9	12.0	53.2	1H	
850451	MARIS HUNTSMAN/VH74521	WA076910	HWW	60.6	72.1	0.48	82.4	11.7	53.9	1H	
850452	DUSTY (WA136912)	PI486429	SWW	62.0	73.0	0.48	83.6	12.1	56.0	1H	
850453	DUSTY (WA016912)	PI486429	SWW	56.7	68.4	0.45	79.7	11.0	54.4	2M	
850454	DUSTY (WA046912)	6/PI486429	SWW	60.5	70.1	0.44	82.3	10.4	57.0	3M	
850455	DUSTY (WA126912)	6/PI486429	SWW	60.4	69.0	0.43	81.7	10.8	57.1	2H	
850456	MARIS HUNTSMAN/VH74521	6/MA096910	SWW	60.5	69.0	0.43	81.8	10.9	53.4	1H	
850457	WA6470/VH77539	6/VH083046	SWW	61.1	69.7	0.43	82.4	11.4	54.9	1H	
850458	FARO/BRB//WA6581	5/VH084012	SWW	62.9	70.0	0.40	85.1	11.0	53.6	1H	
850459	WA6581//BARBEE/AM70207	5/VH084042	SWW	62.2	72.0	0.42	86.1	10.4	52.6	2M	
850460	VH77353/JACMAR	VC084070	SWW	59.9	68.7	0.43	81.4	10.9	52.5	1H	
850461	LJN//VH75263, NCO/LUKE	VH084101	SWW	61.3	68.0	0.40	82.4	10.5	58.4	3M	
850462	WA6470//N7406201, SRG/LUKE	5/VH084119	SWW	61.7	70.5	0.41	85.1	11.0	58.1	2H	
850463	OR67237/WA6242//VPM1/MOS	6/VH084145	SWW	60.7	69.6	0.42	82.8	10.8	58.0	3M	
850464	VPM-1/MOS//CR/3/LUKE	VH084157	SWW	61.3	67.1	0.41	80.7	11.9	59.4	2H	
850465	OASIS/WA6362//DAWS	5/VH084163	SWW	63.0	72.1	0.39	88.2	10.4	57.8	2M	
850466	DAWS/3/YMH/WH68310//CER	6/VH084185	SWW	61.9	69.0	0.39	84.3	10.4	55.5	4M	
850467	DAWS//VH78297, V72052/CER	VH084225	SWW	63.2	70.1	0.41	84.1	10.7	55.0	3M	

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 11% Protein.

4/ Observed Values Corrected to 11% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 12

RITZVILLE, WA

C. J. PETERSON

LABNUM	VARIETY	IDNO	CLASS	BABSC	MTIME	LVOL	LVOLC	BCRGR	CODI	CODIC	RMKS
				3/			4/			4/	
850433	DAWS	C1017419	SWW						8.86	8.83	
850434	LEWJAIN	C1017909	SWW						9.22	9.18	
850435	HILL 81	C1017954	SWW						9.02	9.05	
850436	TYEE	C1017773	CLUB						9.30	9.19	
850437	CREW	C1017951	CLUB						9.21	9.16	
850438	LUKE/BR704434	VH075298	SWW						9.05	8.99	
850439	VH75491/DAWS	VH081479	SWW						8.89	8.84	Q-FYELD
850440	LUKE/VH67376//LUKE	VH082252	SWW						8.89	8.82	Q-MSCOR
850441	LUKE/VH67375//VPM-1/MOS	VH082258	SWW						9.20	9.20	
850442	FARO/BRB//WA6581	VD083185	SWW						9.45	9.37	
850443	HILL 81/WA6242	VH082237	HWW	58.6	1.2	820	721	8	8.39	8.52	Hard, P-bread&CODI
850444	LUKE/VH67375//CERCO	VH082253	SWW	57.4	1.1	565	559	9	8.92	8.94	
850445	N701423/LUKE//ID101	VH082277	SWW	55.7	1.1	595	607	9	9.07	9.05	
850446	LEWJAIN/AMIGO-13	VH083021	SWW	56.8	1.1	500	500	9	9.01	9.01	
850447	VPM-1/MOS//CER/3/LUKE	VG083194	SWW	58.9	1.1	565	589	9	9.14	9.09	
850448	VH68266/LUKE//WA6242	VH083352	SWW						8.89	8.85	Q-FYELD
850449	MARIS HUNTSMAN/VH74521	WA056910	HWW						8.59	8.62	Hard Q-CODI
850450	MARIS HUNTSMAN/VH74521	WA066910	HWW						8.34	8.45	Hard Q-CODI
850451	MARIS HUNTSMAN/VH74521	WA076910	HWW						8.54	8.61	Hard Q-CODI
850452	DUSTY (WA136912)	PI486429	SWW						8.32	8.45	P-CODI
850453	DUSTY (WA016912)	PI486429	SWW						9.01	9.01	Q-FYELD
850454	DUSTY (WA046912)	PI486429	SWW						9.26	9.20	
850455	DUSTY (WA126912)	WA096910	SWW						9.01	8.99	
850456	MARIS HUNTSMAN/VH74521	VH083046	SWW						9.11	9.10	
850457	WA6470/VH77539	VH083046	SWW						9.15	9.19	
850458	FARO/BRB//WA6581	VD084012	SWW						9.16	9.16	
850459	WA6581//BARBEE/AM70207	VD084042	SWW						9.22	9.16	
850460	VH77353/JACMAR	VC084070	SWW						9.02	9.01	Q-FYELD
850461	LJN//VH75263, NCO/LUKE	VH084101	SWW						9.30	9.24	Q-FYELD
850462	WA6470//N7406201, SRG/LUKE	VH084119	SWW						9.12	9.12	
850463	OR67237/WA6242//VPM1/MOS	VH084145	SWW						9.01	8.99	
850464	VPM-1/MOS//CR/3/LUKE	VH084157	SWW						9.01	9.11	P-FYELD
850465	OASIS/WA6362//DAWS	VH084163	SWW						9.30	9.23	
850466	DAWS/3/YMH/VH68310//CER	VH084185	SWW						8.81	8.75	Q-CODI
850467	DAWS//VH78297, V72052/CER	VH084225	SWW						8.57	8.54	P-CODI

NURSCO 12

RITZVILLE, WA

C.J. PETERSON

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	BABS
						1/		1/	3/		
850468	DAWS/LUKE//VH68425	VH084239	SWW	61.9	65.4	0.39	79.8	11.0	55.7	3M	
850469	VH78121/LEWJAIN	VH084437	SWW	60.1	64.8	0.44	75.5	11.0	57.0	2H	
850470	OR680073/CER//VH77283	VH084466	HWW	60.9	71.9	0.44	84.6	12.7	59.2	2H	61.6

NURSCO 12

RITZVILLE, WA

C.J. PETERSON

LABNUM	VARIETY	IDNO	CLASS	BABSC	MTIME	LVOL	LVOLC	BCRGR	CODI	CODIC	RMKS
				<u>3/</u>			<u>4/</u>			<u>4/</u>	
850468	DAWS/LUKE//VH68425	VH0844239	SWW						8.76	8.76	VP-FYELD, Q-CODI
850469	VH78121/LEWJAIN	VH084437	SWW						8.96	8.96	VP-FYELD
850470	OR680073/CER//VH77283	VH084466	HW	59.9	1.3	910	808	5	8.39	8.57	Hard, P-CODI

COMMENTS: Note that several of these selections have hard endosperm. The outstanding selection in this group is VH084163, which has superior milling and cookie baking properties. See "Remarks" for major deficiencies of those selections not footnoted as promising.

VP = Very Poor; P = Poor; Q = Questionable

NURSCO 13

MOSCOW, ID

C.T. LIU

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	BABS
						1/ 1/		1/ 1/	3/ 3/		
850524	OR8421	6/ 27/2	SWW	50.4	64.3	0.43	75.8	12.6	60.3	2H	
850525	WA6912	6/ 7/2	SWW	53.7	63.9	0.44	74.6	11.6	61.0	6M	
850526	TRES (C1017917)	6/2	SWW	56.4	68.3	0.41	81.6	11.7	50.9	1M	
850527	MORO (C1013740)	3/2	SWW	56.2	69.2	0.40	83.4	12.1	56.9	2H	
850528	NUGAINES (C1013968)	4/2	SWW	57.1	64.6	0.39	78.4	10.6	59.9	3M	
850529	WA7218	6/ 24/2	SWW	50.9	61.7	0.43	72.2	11.7	59.2	3M	
850530	STEPHENS (C1017596)	5/2	SWW	52.1	66.9	0.43	78.9	11.8	58.5	2M	
850531	OR8423	6/ 26/2	SWW	53.0	68.2	0.42	81.0	12.0	59.2	6M	
850532	WA7217	6/ 23/2	SWW	53.0	64.7	0.41	77.1	12.6	57.4	1M	
850533	WA7219	6/ 25/2	SWW	57.2	69.7	0.42	83.0	11.2	58.6	2M	
850534	WA7215	21/2	HWW	50.9	67.0	0.47	77.6	13.1	63.1	4H	65.9
850535	ID80-855	6/ 20/2	HWW	50.5	62.4	0.52	70.1	13.6	65.3	4H	68.6
850536	WA7216	22/2	SWW	50.9	58.3	0.45	66.6	11.7	59.3	3H	61.2
850537	OR836	6/ 29/2	SWW	48.3	65.7	0.42	78.1	12.2	58.6	3M	65.5
850538	OR8270	6/ 28/2	SWW	48.1	62.5	0.44	72.9	12.8	59.1	2H	
850539	OR7996	6/ 9/2	SWW	52.4	62.7	0.47	71.0	12.0	58.8	6M	
850540	OR8113	8/2	SWW	49.1	62.4	0.46	71.1	12.5	58.9	2M	
850541	ID80-628	6/ 19/2	SWW	48.3	62.5	0.44	72.4	12.6	60.4	3H	
850542	WA7168	13/2	SWW	52.7	62.8	0.45	72.4	12.2	61.2	3H	
850543	PHOENIX (C1017962)	10/2	HWW	58.0	67.0	0.38	82.3	12.0	61.2	2H	
850544	OR8314	6/ 11/2	SWW	49.1	62.4	0.46	71.4	12.2	58.6	2M	
850545	WA7169	6/ 14/2	SWW	50.2	63.3	0.45	73.3	11.7	57.3	3M	
850546	WA7165	16/2	SWW	51.4	62.7	0.43	73.4	12.4	60.1	2H	
850547	OR8318	6/ 12/2	SWW	49.9	63.0	0.46	72.1	13.2	58.0	3M	
850548	WA7166	6/ 17/2	SWW	50.7	64.4	0.42	76.2	12.3	59.2	4M	
850549	KHARKOFF (C1001442)	1/2	HRW	55.4	67.1	0.39	81.5	13.6	62.8	2H	
850550	WA7163	6/ 15/2	SWW	51.2	64.7	0.45	74.6	13.2	59.8	2H	
850551	ID80-994	18/2	SWW	54.4	63.0	0.47	71.6	13.1	58.4	6M	
850552	ELGIN (C1011755)	2/2	SWW	57.0	69.4	0.39	84.5	11.3	48.3	1M	

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 12% Protein.

4/ Observed Values Corrected to 12% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 13

MOSCOW, ID

C.T. LIU

LABNUM	VARIETY	IDNO	CLASS	BABSC	MTIME	LVOL	LVOLC	BCRGR	CODI	CODIC	RMKS
				3/			4/			4/	
850524	OR8421	27/2	SWW						8.66	8.73	
850525	WA6912	7/2	SWW						8.82	8.78	
850526	TRES (C1017917)	6/2	SWW						9.51	9.48	
850527	MORO (C1013740)	3/2	SWW						9.32	9.34	
850528	NUGAINES (C1013968)	4/2	SWW						9.34	9.18	
850529	WA7218	24/2	SWW						8.81	8.78	Q-FYELD
850530	STEPHENS (C1017596)	5/2	SWW						9.06	9.04	
850531	OR8423	26/2	SWW						8.89	8.89	
850532	WA7217	23/2	SWW						8.94	9.00	
850533	WA7219	25/2	SWW						9.19	9.10	
850534	WA7215	21/2	HWW	64.8	3.3	960	892	2	8.17	8.26	P-LVOL
850535	ID80-855	20/2	HWW	67.0	3.2	1095	996	2	8.21	8.34	
850536	WA7216	22/2	SWW	61.5	2.1	1075	1093	2	8.42	8.39	Q-FYELD
850537	OR836	29/2	SWW	65.3	2.3	1050	1038	2	9.12	9.15	Dual Purpose
850538	OR8270	28/2	SWW						8.71	8.80	
850539	OR7996	9/2	SWW						8.90	8.90	
850540	OR8113	8/2	SWW						8.47	8.53	Q-CODI
850541	ID80-628	19/2	SWW						8.89	8.95	
850542	WA7168	13/2	SWW						8.65	8.67	Q-CODI
850543	PHOENIX (C1017962)	10/2	HWW						8.66	8.66	Q-CODI
850544	OR8314	11/2	SWW						8.71	8.73	
850545	WA7169	14/2	SWW						9.05	9.02	
850546	WA7165	16/2	SWW						8.65	8.69	Q-CODI
850547	OR8318	12/2	SWW						8.84	8.97	
850548	WA7166	17/2	SWW						8.84	8.87	
850549	KHARKOFF (C1001442)	1/2	HWW						8.46	8.59	
850550	WA7163	15/2	SWW						8.80	8.93	
850551	ID80-994	18/2	SWW						8.26	8.38	P-CODI
850552	ELGIN (C1011755)	2/2	SWW						9.65	9.57	

COMMENTS: This nursery was extremely low in test weight that the milling data is most probably meaningless. The low test weight lowered the flour yields and increased the flour ash. Cookie baking did not reflect the high flour protein level and too, may be misleading.

Judgements were made based on comparison with the performance of the check varieties. Noteworthy is the dual performance of OR836, which has both good bread and cookie baking. ID80-855 appears promising as a HWW.

Q = Questionable; P = Poor

NURSCO 14

MOSCOW, ID

C.T. LIU

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
					1/			1/	3/	
850553 UT132534		19/1	HRW	50.4	67.8	0.40	82.2	14.3	63.4	4H
850554 OR8313		6/14/1	HRW	55.2	68.9	0.40	83.5	12.9	65.6	6H
850555 WA7172		13/1	HRW	51.2	66.2	0.41	79.9	13.4	66.9	4H
850556 ID80-38		15/1	HRW	52.4	56.7	0.36	72.6	11.6	62.3	2M
850557 MT7877		6/17/1	HRW	55.5	67.6	0.39	82.8	11.3	61.9	6M
850558 M18003		18/1	HRW	55.4	66.9	0.34	84.7	13.7	63.3	5H
850559 ID297		23/1	HRW	54.5	69.7	0.39	84.7	14.8	63.4	3H
850560 ID300		26/1	HRW	62.4	67.7	0.47	78.3	13.9	64.8	5H
850561 ID299		25/1	HRW	55.7	66.4	0.44	78.5	13.8	59.9	2H
850562 ID261		6/6/1	HRW	54.9	68.8	0.41	83.0	12.8	64.8	6H
850563 WA6816		6/3/1	HRW	52.1	68.8	0.40	83.5	12.2	64.0	3H
850564 WA6820		6/7/1	HRW	54.5	68.7	0.38	84.3	13.4	62.6	4H
850565 UT146122		22/1	HRW	52.4	69.2	0.38	84.8	14.0	63.8	5H
850566 UT146120		6/21/1	HRW	52.2	70.4	0.38	85.9	13.7	64.2	5H
850567 UT146111		6/20/1	HRW	50.8	68.9	0.40	83.4	13.7	64.9	5H
850568 OR8107		4/1	HRW	56.5	66.7	0.35	83.5	12.1	63.0	4M
850569 ID282		10/1	HRW	55.6	70.1	0.38	85.7	13.5	60.6	4H
850570 ID283		6/11/1	HRW	54.7	68.9	0.40	83.4	13.3	65.3	5H
850571 WA7171		6/12/1	HRW	54.8	68.7	0.41	82.5	12.8	62.9	5H
850572 ID284		6/29/1	HRW	52.8	68.7	0.44	81.2	14.2	62.6	4H
850573 ID80-270		16/1	HRW	54.4	67.1	0.39	82.2	13.1	61.1	1H
850574 WA7270		31/1	HRW	53.6	67.6	0.43	80.4	13.9	63.4	5H
850575 WA7269		30/1	HRW	54.2	68.7	0.43	81.6	14.4	63.4	5H
850576 OR8320		32/1	HRW	58.4	71.0	0.38	86.8	13.7	63.5	5H
850577 ID280		8/1	HRW	57.8	67.9	0.36	84.7	13.8	62.0	4M
850578 KHARKOFF (C1001442)		1/1	HRW	55.6	66.2	0.36	82.6	13.2	62.0	3H
850579 ID281		6/9/1	HRW	56.5	68.7	0.37	84.8	12.8	63.5	4H
850580 ID259		6/5/1	HRW	57.3	68.2	0.36	84.9	13.6	65.6	4H
850581 ID298		24/1	HRW	57.6	69.1	0.38	84.7	14.3	65.5	5H
850582 ID301		6/27/1	HRW	52.9	69.8	0.43	82.8	13.6	65.7	5H
850583 ID302		6/28/1	HRW	52.8	67.4	0.43	80.4	14.2	65.9	5H
850584 WANSER (C1013844)		2/1	HRW	58.1	70.4	0.36	87.4	12.4	65.9	5H

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 13% Protein.

4/ Observed Values Corrected to 13% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

HARD RED WINTER SAMPLES

USDA, SEA AR
WESTERN WHEAT QUALITY LAB.
PULLMAN, WA.

C.T. LIU

MOSCOW, ID

NURSCO 14

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
850553	UT132534	19/1	HRW	65.4	64.1	3.7	1035	954	4	Q-FYELD,BCRGR
850554	OR8313	14/1	HRW	66.2	66.3	5.3	1095	1101	2	
850555	WA7172	13/1	HRW	68.0	67.6	3.6	1170	1145	1	P-FYELD, Exc.Baking
850556	ID80-38	15/1	HRW	60.6	62.0	1.0	875	962	8	VP-FYELD,LVOL&BCRGR
850557	MT7877	17/1	HRW	61.9	63.6	3.4	965	1070	2	Q-FYELD
850558	MT8003	18/1	HRW	65.7	65.0	4.2	1050	1007	2	P-FYELD Soft
850559	ID297	23/1	HRW	65.9	64.1	2.9	930	818	5	P-LVOL&BCRGR
850560	ID300	26/1	HRW	66.4	65.5	5.2	1080	1024	2	P-MSCOR
850561	ID299	25/1	HRW	61.4	60.6	1.2	780	730	8	P-FYELD,LVOL,BCRGR,MT
850562	ID261	6/1	HRW	66.3	66.5	5.3	1010	1022	2	
850563	WA6816	3/1	HRW	63.4	64.2	2.2	1020	1070	2	
850564	WA6820	7/1	HRW	64.7	64.3	3.7	1005	980	2	
850565	UT146122	22/1	HRW	66.5	65.5	4.2	1000	938	2	Q-LVOL
850566	UT146120	21/1	HRW	65.6	64.9	4.5	1005	962	3	Q-LVOL
850567	UT146111	20/1	HRW	66.3	65.6	4.3	1030	987	2	
850568	OR8107	4/1	HRW	63.3	64.2	2.2	920	976	4	P-FYELD Q-BCRGR
850569	ID282	10/1	HRW	62.3	61.8	2.8	925	894	2	Q-LVOL
850570	ID283	11/1	HRW	65.8	65.5	4.2	1090	1071	2	
850571	WA7171	12/1	HRW	64.4	64.6	4.1	1090	1102	2	
850572	ID284	29/1	HRW	65.5	64.3	3.3	1045	971	2	Q-FYELD
850573	ID80-270	16/1	HRW	59.9	59.8	1.0	850	844	9	P-FYELD,LVOL,BCRGE,MT
850574	WA7270	31/1	HRW	66.0	65.1	5.0	1050	994	2	Q-FYELD
850575	WA7269	30/1	HRW	66.5	65.1	4.7	1025	938	2	Q-LVOL
850576	OR8320	32/1	HRW	65.9	65.2	3.7	975	932	2	Q-LVOL
850577	ID280	8/1	HRW	64.5	63.7	2.3	1060	1010	2	Q-FYELD&MTIME
850578	KHARKOFF (C1001442)	1/1	HRW	62.9	62.7	2.1	1000	988	3	
850579	ID281	9/1	HRW	64.0	64.2	3.6	1055	1067	3	Q-BCRGR
850580	ID259	5/1	HRW	66.9	66.3	2.8	1110	1073	2	
850581	ID298	24/1	HRW	67.5	66.2	3.5	1030	949	2	Q-LVOL
850582	ID301	27/1	HRW	66.5	65.9	4.8	1110	1073	1	
850583	ID302	28/1	HRW	67.8	66.6	4.6	1125	1051	2	Q-FYELD
850584	WANSER (C1013844)	2/1	HRW	66.0	66.6	4.5	1045	1082	2	

COMMENTS: Test weights of many of these selections were very low, which could have influenced the poor performance in milling and given abnormal protein/loaf volume ratios. Loaf volumes were low on many of these selections for the protein contents. See "Remarks" for major deficiencies.

Q = Questionable, P = Poor; VP = Very Poor

NURSCO 15

HEERMISTON, OR

F.V. PUMPHREY

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						<u>1/</u>		<u>1/</u>	<u>3/</u>	
850585 FERTILIZER 4		ORCR8513	HRW	65.5	70.9	0.38	86.5	12.1	61.9	1H
850586 FERTILIZER 4		ORCR8320	HRW	65.6	72.0	0.37	88.3	14.8	66.3	3H
850587 FERTILIZER 4		<u>6/</u> ORCR8313	HRW	66.3	71.1	0.35	88.1	12.4	64.6	4H
850588 FERTILIZER 4		ORCRSEL.35	HRW	64.3	69.3	0.37	85.3	11.5	60.7	3M
850589 N FERTILIZED		<u>6/</u> ORCR8313	HRW	60.2	71.8	0.38	87.7	10.9	60.6	4M
850590 N FERTILIZED		ORCR8513	HRW	59.5	68.7	0.38	84.5	12.5	60.1	1H

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					<u>3/</u>			<u>4/</u>		
850585 FERTILIZER 4		ORCR8513	HRW	63.7	63.6	1.5	855	849	8	P-LVOL, MTIME & BCRGR
850586 FERTILIZER 4		ORCR8320	HRW	68.8	66.0	2.3	1050	876	2	P-LVOL
850587 FERTILIZER 4		ORCR8313	HRW	66.7	66.3	3.2	1000	975	1	
850588 FERTILIZER 4		ORCRSEL.35	HRW	61.9	62.4	2.3	835	866	8	P-LVOL, BCRGR
850589 N FERTILIZED		ORCR8313	HRW	60.2	61.3	2.6	990	1058	2	
850590 N FERTILIZED		ORCR8513	HRW	60.3	59.8	1.0	830	799	8	VP-LVOL, MTIME, BCRGR

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 12% Protein.

4/ Observed Values Corrected to 12% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

COMMENTS: ORCR8513 is very poor in baking quality. ORCR8313 has good overall quality. The fertilizer treatment appeared to help the TW and milling of both 8513 and 8313.

P = Poor; VP = Very Poor

NURSCO 17

WALLA WALLA, WA

C.J. PETERSON

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	BABS
						<u>1/</u>		<u>1/</u>	<u>3/</u>		
850596	DAWS	CI017419	SWW	62.0	70.4	0.41	84.4	11.2	56.6	3M	
850597	HILL 81	CI017954	SWW	62.4	74.8	0.43	89.1	11.2	55.0	2M	
850598	TYEE	CI017773	CLUB	60.5	72.7	0.41	87.5	11.1	51.7	2M	
850599	MARIS HUNTSMAN/VH74521	WA56910	HW	61.5	75.0	0.41	88.6	11.2	54.4	1H	54.3
850600	MARIS HUNTSMAN/VH74521	WA66910	HW	61.6	73.7	0.44	85.5	12.1	53.6	1H	54.4
850601	MARIS HUNTSMAN/VH74521	WA76910	HW	60.5	73.1	0.43	85.3	11.9	54.4	1H	55.0
850602	DUSTY (WA136912)	PI486429	HW	62.4	72.7	0.42	85.8	11.8	56.6	1H	57.1
850603	DUSTY (WA16912)	6/ PI486429	SWW	59.6	71.3	0.42	85.4	10.9	53.3	2M	
850604	DUSTY (WA46912)	6/ PI486429	SWW	62.8	72.4	0.43	85.7	10.5	58.7	2H	
850605	DUSTY (WA126912)	5/ PI486429	SWW	61.5	73.8	0.48	84.2	10.2	57.7	2M	
850606	MARIS HUNTSMAN/VH74521	6/ WA96910	SWW	62.4	71.5	0.39	87.5	10.7	52.7	1H	52.1

LABNUM	VARIETY	IDNO	CLASS	BABSC	MTIME	LVOL	LVOLC	BCRGR	CODI	CODIC	RMKS
				<u>3/</u>			<u>4/</u>			<u>4/</u>	
850596	DAWS	CI017419	SWW						8.64	8.66	
850597	HILL 81	CI017954	SWW						9.12	9.15	
850598	TYEE	CI017773	CLUB						9.24	9.24	
850599	MARIS HUNTSMAN/VH74521	WA56910	HW	54.1	1.0	595	583	9	NO FLOUR		Hard, Poor
850600	MARIS HUNTSMAN/VH74521	WA66910	HW	53.3	1.0	640	572	9	8.28	8.42	Hard, P-CODI
850601	MARIS HUNTSMAN/VH74521	WA76910	HW	54.1	1.0	590	534	9	NO FLOUR		Hard, Poor
850602	DUSTY (WA136912)	PI486429	HW	56.3	1.0	660	610	9	8.43	8.53	Hard, P-CODI
850603	DUSTY (WA16912)	PI486429	SWW						9.12	9.11	
850604	DUSTY (WA46912)	PI486429	SWW						9.22	9.17	
850605	DUSTY (WA126912)	PI486429	SWW						9.34	9.25	
850606	MARIS HUNTSMAN/VH74521	WA96910	SWW	52.4	1.0	615	633	9	9.15	9.12	

1/ Observed Values Corrected to 14% Moisture Basis.3/ Absorption at 14% Moisture Corrected to 11% Protein.4/ Observed Values Corrected to 11% Protein.5/ Particularly Promising Overall Quality Characteristics.6/ Promising Overall Quality Characteristics.

COMMENTS: The Maris Huntsman crosses all appear to be hard endosperm by NIR. This is confirmed by the poor performance in CODI. We suggest a possibility of a mix-up between the Dusty (WA136912) selection and the Maris Huntsman/VH74521 (WA96910) sample. The Dusty was very hard while this particular Maris Huntsman was soft.

P = Poor

NURSCO 18

CULDESAC, ID

W.K. POPE

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/		1/	3/	
850607	WESTON (C1017727)	34/64	HRW	60.1	71.4	0.34	89.2	13.2	62.6	3M
850608	WESTON/LOUVRIIN-24	34/61	HRW	58.4	69.2	0.34	87.1	13.2	60.3	2H
850609	WESTON SIB/ID5011/ID5006/A5006	34/44	HRW	57.1	62.4	0.31	81.4	10.0	56.0	5L
850610	WESTON SIB/ID5011/ID5006/A5006	33/45	HRW	58.0	62.6	0.29	82.6	9.4	57.5	4L

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 11% Protein.

4/ Observed Values Corrected to 11% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 18

CULDESAC, ID

W.K. POPE

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RHKS
					<u>3/</u>			<u>4/</u>		
850607	WESTON (CI017727)	34/64	HRW	64.0	61.8	1.8	1125	989	2	Q-FYELD&MTIME
850608	WESTON/LOUVRIN-24	34/61	HRW	63.2	61.0	1.4	935	799	3	VP-FYELD, LVOL&BCRGR
850609	WESTON SIB/ID5011/ID5006/A5006	34/44	HRW	56.7	57.7	2.6	785	847	8	VP-FYELD&BCRGR
850610	WESTON SIB/ID5011/ID5006/A5006	33/45	HRW	57.6	59.2	3.1	800	899	8	VP-FYELD&BCRGR

COMMENTS: Selection No. 34/61 has the most promising overall quality of the three selections. It is questionable in flour yield,

low in flour yield and loaf volume, and too short in dough mixing. Both 34/44 and 33/45 are very low in flour yield and poor in bread crumb grain and structure.

EXTENSION WINTER CEREAL VARIETY TRIAL

NURSCO 19

FRAZER, ID

K. KEPHART

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						<u>1/</u>		<u>1/</u>	<u>3/</u>	
850611	NUGAINES (C1013968)	2-109	SWW	56.7	70.1	0.37	82.1	6.6	51.5	8L
850612	NUGAINES (C1013968)	2-202	SWW	56.9	69.3	0.34	83.0	6.1	51.9	8L
850613	NUGAINES (C1013968)	2-312	SWW	57.5	69.7	0.33	82.8	6.4	51.7	8L
850614	LEWJAIN (C1017909)	2-108	SWW	57.1	73.6	0.39	86.0	6.8	52.0	7L
850615	LEWJAIN (C1017909)	2-211	SWW	57.6	71.7	0.36	84.8	6.6	52.5	7L
850616	LEWJAIN (C1017909)	2-304	SWW	58.2	72.4	0.34	87.3	6.1	52.8	7L
850617	BASIN	2-101	SWW	55.9	70.1	0.34	83.1	6.4	50.2	3L
850618	BASIN	2-208	SWW	56.5	70.5	0.34	84.5	6.1	50.7	3L
850619	BASIN	2-313	SWW	56.6	71.0	0.34	84.8	6.6	50.0	3L
850620	CASHUP	2-102	SWW	56.1	72.5	0.33	88.8	6.1	50.5	1L
850621	CASHUP	2-205	SWW	56.7	73.0	0.33	88.7	5.9	50.7	1L
850622	CASHUP	2-310	SWW	56.5	72.0	0.33	88.9	5.7	51.1	1L

LABNUM	VARIETY	IDNO	CLASS	CODI	CODIC	CAVOL	SCSOR	WTIN	NOSCO	RMKS
					<u>4/</u>					
850611	NUGAINES (C1013968)	2-109	SWW	9.29	9.35	1320	77.0	352	75	
850612	NUGAINES (C1013968)	2-202	SWW	9.25	9.26	1320	78.0	327	71	
850613	NUGAINES (C1013968)	2-312	SWW	9.21	9.26	1290	76.0	308	70	
850614	LEWJAIN (C1017909)	2-108	SWW	9.32	9.41	1305	78.0	333	70	
850615	LEWJAIN (C1017909)	2-211	SWW	9.45	9.52	1280	76.0	316	70	
850616	LEWJAIN (C1017909)	2-304	SWW	9.61	9.62	1285	77.0	329	72	
850617	BASIN	2-101	SWW	9.69	9.73	1300	76.0	327	70	
850618	BASIN	2-208	SWW	9.44	9.45	1330	79.0	325	69	
850619	BASIN	2-313	SWW	9.49	9.55	1300	76.0	332	68	
850620	CASHUP	2-102	SWW	9.39	9.40	1275	73.0	334	69	
850621	CASHUP	2-205	SWW	9.06	9.05	1275	75.0	354	75	
850622	CASHUP	2-310	SWW	9.47	9.44	1220	70.0	325	73	

1/ Observed Values Corrected to 14% Moisture Basis.3/ Absorption at 14% Moisture Corrected to 6% Protein.4/ Observed Values Corrected to 6% Protein.5/ Particularly Promising Overall Quality Characteristics.6/ Promising Overall Quality Characteristics.

COMMENTS: Cashup is equal to or better than Lewjain in overall milling, while Basin is slightly poor but better than Nugaines. Basin is superior to Lewjain, and cashup in cookie baking, and slightly better in sponge cake baking. Cashup appears slightly better in noodle making properties. Both Cashup and Basin appear to be good in overall quality equal to Lewjain and better than Nugaines.

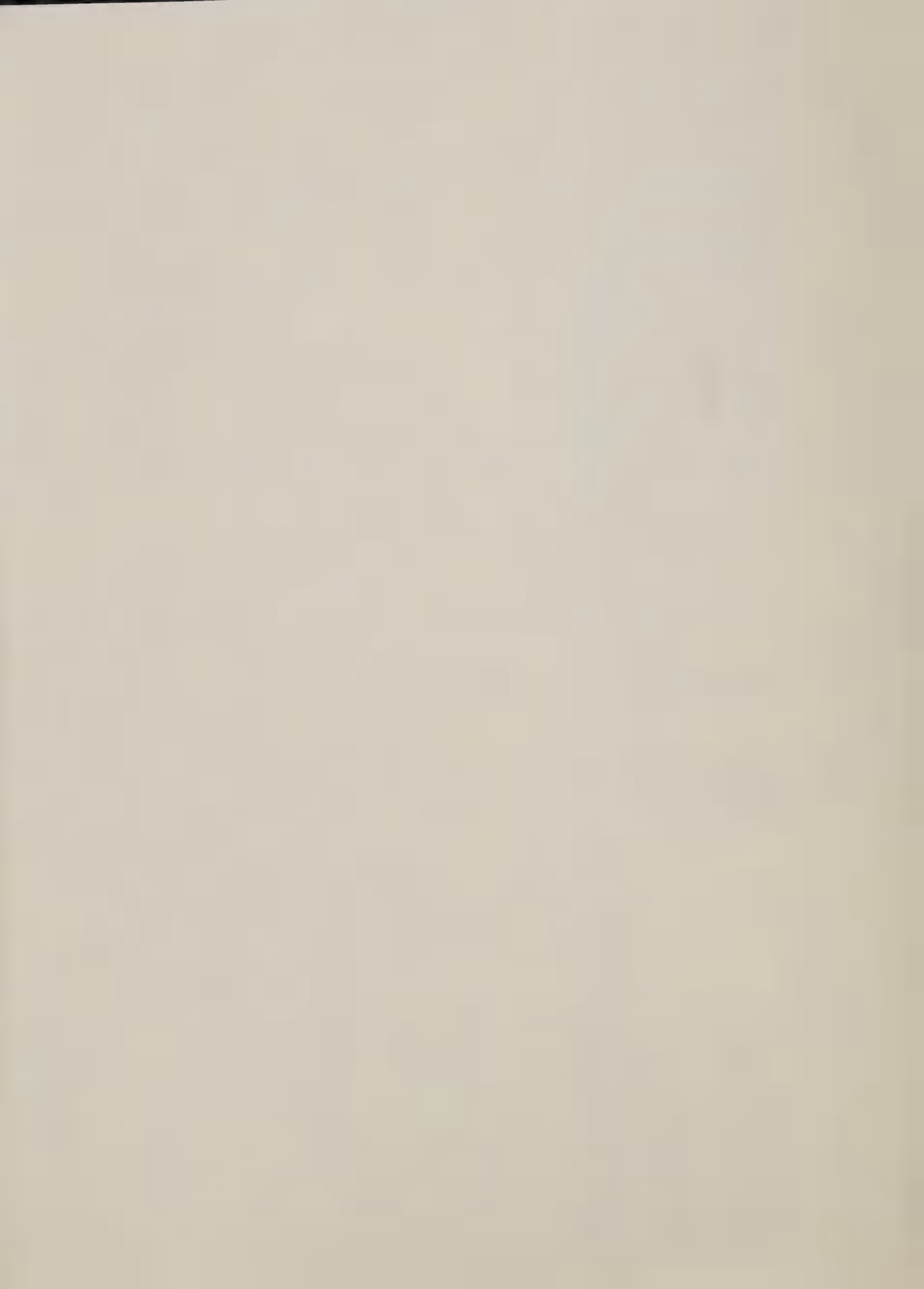
NURSCO 20

ROYAL SLOPE, WA

C.F. KONZAK

LABNUM	VARIETY	IDNO	CLASS	TWT	TYIELD	FASH 1/	MSCOR	FPROT 1/	MABSC 3/	MTYPE	BARS
850623	300#/ACRE	WAT186	SWS	61.2	71.8	0.39	87.5	11.3	59.2	6M	60.2
850624	300#/ACRE	6/ WAT187	SWS	63.6	72.4	0.39	88.4	10.7	58.3	4M	58.7
850625	300#/ACRE	6/ WAT188	SWS	60.0	71.1	0.43	84.0	11.1	57.7	3M	59.5
850626	WAMPUM 300#/ACRE	C1017691	HRS	65.2	72.7	0.43	85.7	10.5	61.8	3M	61.5
850627	200#/ACRE	6/ WAT186	SWS	63.2	72.3	0.38	88.9	10.8	58.3	4M	58.8
850628	200#/ACRE	6/ WAT187	SWS	63.6	72.5	0.38	89.2	11.3	59.1	3M	56.6
850629	200#/ACRE	6/ WAT188	SWS	61.2	71.8	0.42	85.6	10.8	57.0	3M	55.5
850630	WAMPUM 200#/ACRE	C1017691	HRS	64.8	72.0	0.41	85.9	10.9	62.3	3M	61.4
850631	EDWALL 200#/ACRE	P1477919	SWS	63.2	70.1	0.41	84.0	10.1	54.8	1M	52.6

1/ Observed Values Corrected to 14% Moisture Basis.3/ Absorption at 14% Moisture Corrected to 11% Protein.4/ Observed Values Corrected to 11% Protein.5/ Particularly Promising Overall Quality Characteristics.6/ Promising Overall Quality Characteristics.



LABNUM	VARIETY	IDNO	CLASS	BABSC 3/	MTIME	LVOL	LVOLC 4/	BCRGR	CODI	CODIC 4/	RMKS
850623	300#/ACRE	WA7186	SWS	59.9	3.9	945	927	2	9.05	9.08	Q-LVOL
850624	300#/ACRE	WA7187	SWS	59.0	3.6	975	993	4	9.32	9.29	Q-BCRGR
850625	300#/ACRE	WA7188	SWS	59.4	2.8	1000	994	2	8.96	8.97	
850626	WAMPUM 300#/ACRE	C1017691	HRS	62.0	2.2	908	939	4	8.94	8.90	
850627	200#/ACRE	WA7186	SWS	59.0	2.9	955	967	2	9.26	9.24	
850628	200#/ACRE	WA7187	SWS	56.3	2.3	985	967	2	9.30	9.33	
850629	200#/ACRE	WA7188	SWS	55.7	2.3	898	910	3	9.19	9.17	
850630	WAMPUM 200#/ACRE	C1017691	HRS	61.5	2.4	1050	1056	2	8.66	8.65	
850631	EDWALL 200#/ACRE	PI477919	SWS	53.5	1.4	765	819	9	9.25	9.15	

COMMENTS: These three selections continue to show promising dual purpose properties. The fertilizer levels used failed to shift the protein content in these selections or the check variety.

Q = Questionable

NURSCO 21

ID, OR, WA

LABNUM	VARIETY	# SAMPLES COMPOSITED	CLASS	TWT lb/bu	WMIST %	WPROT %	WHEAT		FYELD %	MSCOR	FASH %	FPROT %	FABS %	FPEAK Min.
							FN	DSI						
850632	NORTH IDAHO REGION 1	82	SWW	56.6	10.8	10.9	460	.064	70.3	78.7	0.41	9.9	52.5	2.1
850633	SOUTH IDAHO REGION 2	33	SWW	60.2	10.4	10.8	385	.090	70.8	78.4	0.42	9.3	54.0	2.2
850634	SOUTH IDAHO REGION 2	16	HRW	62.7	10.3	11.0	463	.062	65.9	77.0	0.38	10.6	63.5	9.4
850635	SOUTH IDAHO REGION 2	18	HRS	61.6	10.4	13.0	447	.063	70.9	82.9	0.42	12.3	65.8	9.4
850636	PALOUSE REGION 3	28	SWW	59.1	10.2	11.7	482	.053	72.1	81.8	0.41	10.0	55.0	2.8
850637	BIG BEND REGION 4	43	SWW	61.2	9.6	11.3	391	.055	71.0	80.5	0.42	10.0	56.1	2.7
850638	BIG BEND REGION 4	14	CLUB	60.1	9.2	10.5	452	.055	72.9	85.3	0.41	9.2	54.3	2.7
850639	BIG BEND REGION 4	22	HRW	64.7	9.2	11.8	515	.055	67.9	80.0	0.39	10.8	66.8	7.3
850640	BIG BEND REGION 4	15	HRS	62.7	9.3	13.2	502	.048	67.8	75.6	0.44	12.4	68.8	10.7
850641	WALLA WALLA REGION 5	22	SWW	60.1	9.3	12.0	427	.056	69.8	78.0	0.41	10.4	55.7	2.6
850642	NORTH PENDLETON REGION 6	24	SWW	58.1	9.2	10.9	405	.054	69.9	81.3	0.38	9.5	53.9	2.7
850643	COLUMBIA RIVER REGION 7	43	SWW	58.7	9.4	9.9	436	.054	70.3	80.2	0.39	8.5	52.3	2.4
850644	COLUMBIA RIVER REGION 7	10	CLUB	58.0	9.4	8.8	377	.054	71.5	81.8	0.41	7.9	52.0	0.8
850645	WILLAMETTE VALLEY REGION 8	19	SWW	61.0	10.6	9.7	440	.054	71.9	81.3	0.41	8.1	55.6	0.8
850646	WATERVILLE REGION 9	8	SWW	60.6	9.5	10.4	456	.047	69.7	79.6	0.38	8.7	56.5	1.9
850647	WATERVILLE REGION 9	3	CLUB	58.4	9.2	9.7	424	.047	72.9	85.5	0.39	8.2	52.3	3.3
850648	WATERVILLE REGION 9	4	HRW	63.6	9.5	11.6	526	.047	67.3	78.8	0.39	10.7	66.9	10.9
850649	WATERVILLE REGION 9	2	HRS	58.5	9.7	14.0	439	.057	68.9	78.9	0.44	12.7	63.5	15.1
850650	BLUE MOUNTAIN REGION 11	8	SWW	57.1	10.4	10.6	393	.111	69.9	79.7	0.41	9.3	53.4	3.4

(n)

AVG.	310	59.2	9.9	10.8	428	.064	70.6	80.0	0.40	9.4	54.5	2.4
	27	58.8	9.3	9.7	418	.052	72.4	84.2	0.40	8.4	52.9	2.3
	42	63.4	9.7	11.5	501	.055	67.0	78.6	0.39	10.7	65.7	9.2
	35	60.9	9.8	13.4	463	.056	69.2	79.1	0.43	12.5	66.0	11.7

NURSCO 21

ID, OR, WA

LABNUM	VARIETY	# SAMPLES COMPOSITED	CLASS	FSIAB		L VOL	M TIME	BCRGR	CODI	CAVOL	SCSOR		ARABIC BREAD		WT IN	NOSCO
				Min.	cc						cc	cm	SP/VOL	SCORE		
850632	NORTH IDAHO REGION 1	82	SWW	5.5					8.84	1310	79.0	4.39	47		379	69
850633	SOUTH IDAHO REGION 2	33	SWW	3.3					9.11	1305	79.0	4.82	55		379	73
850634	SOUTH IDAHO REGION 2	16	HRW	15.4	905		4.0	2	7.87			3.59	65			
850635	SOUTH IDAHO REGION 2	18	HRS	14.4	1015		3.5	2	7.74			4.25	61			
850636	PALOUSE REGION 3	28	SWW	3.9					9.01	1300	78.0	5.29	64		353	65
850637	BIG BEND REGION 4	43	SWW	3.1					9.14	1285	78.0	4.75	64		358	67
850638	BIG BEND REGION 4	14	CLUB	3.4					9.04	1295	77.0	4.30	68		362	68
850639	BIG BEND REGION 4	22	HRW	9.0	900		3.1	2	7.82			6.11	67			
850640	BIG BEND REGION 4	15	HRS	11.0	1045		3.6	2	7.56			4.29	68			
850641	WALLA WALLA REGION 5	22	SWW	3.1					8.86	1295	80.0	3.80	66		370	65
850642	NORTH PENDLETON REGION 6	24	SWW	3.4					9.23	1275	77.0	3.80	68		374	71
850643	COLUMBIA RIVER REGION 7	43	SWW	4.1					9.24	1255	78.0	3.70	70		359	68
850644	COLUMBIA RIVER REGION 7	10	CLUB	3.2					9.20	1315	82.0	4.80	64		368	70
850645	WILLAMETTE VALLEY REGION 8	19	SWW	3.7					8.96	1220	73.0	3.50	64		374	72
850646	WATERVILLE REGION 9	8	SWW	3.6					9.13	1300	77.0	4.25	62		371	72
850647	WATERVILLE REGION 9	3	CLUB	6.0					9.15	1305	80.0	4.01	69		359	73
850648	WATERVILLE REGION 9	4	HRW	14.8	850		3.4	2	7.72			5.55	68			
850649	WATERVILLE REGION 9	2	HRS	22.0	1135		5.1	2	8.01			4.75	45			
850650	BLUE MOUNTAIN REGION 11	8	SWW	4.4					9.12	1270	78.0	5.13	47		346	71
(n)																
AVG.		310	SWW	3.4					9.06	1282	77.7	4.34	61		366	69
		27	CLUB	4.2					9.13	1305	79.7	4.37	67		363	70
		42	HRW	13.1	885		3.5	2	7.80			5.08	67			
		35	HRS	15.8	1065		4.1	2	77.7			4.43	58			

1/ 2 = Satisfactory

2/ Egyptian Shami Bread.

NURSCO 22

LABNUM	VARIETY	CLASS	TWI lb/bu	WMIST %	WPROT %	WHEAT		FYELD %	MSCOR	FASH %	TPROT %
						FN	DSI O.D.				
850651	1-WW	SWW	63.0	9.7	7.9	421	.056	69.8	81.7	0.37	7.5
850652	2-WW	SWW	62.9	9.7	8.3	386	.057	71.2	83.4	0.38	7.5
850653	3-WW	SWW	62.9	9.9	8.2	444	.051	72.0	83.5	0.38	7.6
850654	4-WW	SWW	62.3	9.8	9.3	412	.051	71.8	81.9	0.40	7.5
850655	5-WW	SWW	62.5	9.9	9.4	406	.057	71.3	81.7	0.40	7.3
850656	6-WW	SWW	62.8	9.7	9.3	425	.045	72.9	85.7	0.39	8.0
850657	7-WW	SWW	62.0	10.3	9.7	465	.053	71.6	83.2	0.39	8.2
850658	8-WW	SWW	61.8	10.1	9.6	406	.085	71.5	84.2	0.39	8.3
850659	9-WW	SWW	62.0	10.0	9.1	374	.079	72.0	83.9	0.39	7.7
850660	10-WW	SWW	62.5	10.0	9.4	401	.065	71.4	82.7	0.38	7.9
850661	11-WW	SWW	62.5	10.1	9.5	413	.055	70.6	81.9	0.39	7.9
850662	12-WW	SWW	61.5	10.4	8.9	401	.070	71.4	83.2	0.39	8.0
850663	13-WW	SWW	62.2	10.3	9.3	428	.051	71.7	84.4	0.38	7.8
850664	14-WW	SWW	61.8	10.2	9.2	429	.050	71.4	84.0	0.38	7.9
850665	15-WW	SWW	62.2	10.2	9.2	445	.051	62.0	68.7	0.38	8.0
850666	16-WW	SWW	61.3	11.7	8.9	409	.079	72.1	83.6	0.40	7.9
850667	17-WW	SWW	61.4	11.4	8.8	414	.052	72.0	84.9	0.40	7.5
850668	18-WW	SWW	61.6	10.6	8.9	410	.053	71.1	83.3	0.39	7.8
850669	19-WW	SWW	61.2	11.8	8.3	442	.056	71.2	81.5	0.40	7.4
850670	20-WW	SWW	61.1	11.7	8.2	430	.054	71.3	82.2	0.41	7.9
850671	21-WW	SWW	61.2	11.3	8.6	407	.064	72.6	84.4	0.41	7.5
850672	22-WW	SWW	62.1	9.6	8.9	395	.059	73.2	84.8	0.40	7.5
850673	23-WW	SWW	61.2	10.0	9.9	389	.055	72.6	84.9	0.39	8.2
850674	24-WW	SWW	61.1	10.1	9.9	429	.058	72.5	84.3	0.40	7.9
850675	25-WW	SWW	61.3	9.9	9.3	423	.049	71.4	81.7	0.40	8.2
850676	26-WW	SWW	61.2	10.1	9.1	352	.150	70.9	82.1	0.39	8.1
850677	27-WW	SWW	62.2	9.9	9.4	359	.081	72.0	84.2	0.39	7.9
850678	28-WW	SWW	63.0	9.6	9.3	431	.061	72.5	84.7	0.39	8.2
850679	29-WW	SWW	62.7	9.2	9.2	444	.045	73.1	85.7	0.38	8.0
850680	30-WW	SWW	62.4	9.5	9.5	411	.092	72.5	84.7	0.39	8.2
850681	31-WW	SWW	62.9	9.1	9.4	406	.094	72.8	84.6	0.39	8.1
850682	32-WW	SWW	62.7	9.4	9.0	464	.051	71.7	83.1	0.39	7.9
850683	33-WW	SWW	62.6	9.5	9.8	428	.060	71.8	84.7	0.39	7.9
850684	34-WW	SWW	63.2	9.5	8.6	369	.091	74.0	86.4	0.40	7.5
850685	35-WW	SWW	62.2	9.6	8.9	457	.054	71.8	81.7	0.40	8.0

NURSCO 22

U.S. WHEAT ASSOCIATES CARGO PROJECT

LABNUM	VARIETY	CLASS	FABS	FPEAK	FSIAB Min.	CODI cm	CAVOL cc	SCSOR	WTIN g	NOSCO	RMS
850651	1-WW	SWW	52.9	1.3	5.1	8.69	1250	77.0	339	73	
850652	2-WW	SWW	54.2	1.4	4.2	8.81	1210	75.0	358	77	
850653	3-WW	SWW	53.9	1.6	3.7	8.87	1230	72.0	368	75	
850654	4-WW	SWW	56.3	1.6	4.2	8.59	1210	71.0	375	74	
850655	5-WW	SWW	54.9	1.8	3.6	8.89	1195	71.0	385	75	
850656	6-WW	SWW	53.7	1.4	4.6	8.76	1255	76.0	387	74	
850657	7-WW	SWW	53.4	1.8	5.0	8.65	1190	70.0	381	73	
850658	8-WW	SWW	53.9	1.6	6.1	8.69	1190	69.0	347	70	
850659	9-WW	SWW	53.8	1.6	2.6	8.94	1185	68.0	350	68	
850660	10-WW	SWW	53.7	3.4	3.9	8.74	1220	71.0	360	72	
850661	11-WW	SWW	54.2	1.7	3.7	8.84	1255	74.0	373	74	
850662	12-WW	SWW	54.7	1.8	3.7	8.81	1230	73.0	365	72	
850663	13-WW	SWW	53.9	1.1	3.4	8.72	1225	70.0	361	74	
850664	14-WW	SWW	53.8	2.8	4.5	8.81	1205	71.0	355	74	
850665	15-WW	SWW	54.1	1.8	4.6	8.81	1170	68.0	344	70	
850666	16-WW	SWW	54.2	1.6	4.0	8.73	1210	74.0	347	69	
850667	17-WW	SWW	55.0	1.6	3.8	8.61	1195	72.0	348	71	
850668	18-WW	SWW	53.3	1.4	2.3	9.02	1230	76.0	351	72	
850669	19-WW	SWW	54.1	1.4	1.6	8.99	1170	70.0	363	76	
850670	20-WW	SWW	53.5	1.8	3.8	8.99	1135	67.0	348	71	
850671	21-WW	SWW	54.5	1.5	4.1	8.77	1110	68.0	347	72	
850672	22-WW	SWW	52.8	1.7	2.7	8.86	1240	74.0	362	75	
850673	23-WW	SWW	54.6	1.8	3.5	8.90	1190	72.0	354	73	
850674	24-WW	SWW	54.3	1.3	3.2	8.82	1195	70.0	364	74	
850675	25-WW	SWW	53.6	2.0	3.8	8.74	1180	70.0	373	75	
850676	26-WW	SWW	54.6	1.7	3.8	8.65	1220	74.0	383	75	
850677	27-WW	SWW	54.6	1.3	5.3	8.56	1160	71.0	364	74	
850678	28-WW	SWW	55.1	1.5	4.0	8.69	1145	70.0	360	74	
850679	29-WW	SWW	55.0	1.8	4.3	8.71	1135	69.0	360	74	
850680	30-WW	SWW	55.0	2.2	4.2	8.49	1120	67.0	366	75	
850681	31-WW	SWW	55.2	1.7	4.3	8.42	1120	69.0	363	72	
850682	32-WW	SWW	54.7	1.5	3.5	8.71	1120	67.0	360	71	
850683	33-WW	SWW	54.9	1.4	4.6	8.67	1185	74.0	359	73	
850684	34-WW	SWW	52.6	1.6	5.0	8.76	1165	71.0	362	73	
850685	35-WW	SWW	53.4	2.2	5.0	8.66	1190	68.0	349	73	

NURSCO 22

LABNUM	VARIETY	CLASS	TWT lb/bu	WMIST %	WPROT %	WHEAT		FYELD %	MSCOR	FASH %	FPROT %
						FN	DSI O.D.				
850687	37-WW	SWW	62.8	9.5	9.2	471	.054	72.8	84.3	0.38	8.2
850688	38-WW	SWW	62.9	9.4	9.7	435	.049	72.5	83.2	0.39	8.9
850689	39-WW	SWW	61.5	9.9	9.0	434	.057	72.9	84.8	0.39	8.1
850690	40-WW	SWW	62.4	10.3	9.0	407	.054	71.8	83.2	0.39	7.9
850691	41-WW	SWW	61.2	9.3	10.4	368	.052	71.4	81.3	0.39	8.9
850692	42-WW	SWW	62.3	9.8	9.3	414	.049	72.0	82.1	0.40	8.5
850693	43-WW	SWW	61.5	9.4	9.8	412	.051	71.4	81.8	0.40	8.8
850694	44-WW	SWW	61.7	9.0	10.2	414	.058	72.0	81.2	0.41	8.7
850695	45-WW	SWW	60.0	10.5	10.6	370	.059	70.1	78.9	0.41	8.8
850696	46-WW	SWW	60.4	10.9	9.2	403	.070	69.5	78.0	0.40	8.8
850697	47-WW	SWW	60.2	10.9	9.7	401	.052	71.0	80.9	0.39	8.2
850698	48-WW	SWW	61.7	9.6	10.7	400	.048	69.9	79.1	0.39	9.0
850699	49-WW	SWW	62.3	9.6	9.4	359	.108	69.7	79.5	0.38	8.2
850700	50-WW	SWW	61.9	9.7	9.0	425	.064	70.3	80.4	0.38	8.0
850701	51-WW	SWW	60.8	9.8	9.9	452	.054	68.9	77.6	0.40	8.8

USDA, SEA AR
WESTERN WHEAT QUALITY LAB.
PULLMAN, WA.

NURSCO 22

LABNUM	VARIETY	CLASS	FABS	IPEAK	FSIAB	Min.		CAVOL	SCSOR	WTIN	NOSCO	RHKS
						cm	g					
850687 37-WW		SWW	52.6	2.4	4.7	8.80	1220	74.0		351	72	
850688 38-WW		SWW	53.4	2.3	4.8	8.75	1180	70.0		347	73	
850689 39-WW		SWW	53.4	1.6	4.1	8.82	1215	71.0		373	72	
850690 40-WW		SWW	55.4	1.7	3.5	8.54	1200	67.0		365	73	
850691 41-WW		SWW	53.9	2.5	3.5	8.71	1200	68.0		370	72	
850692 42-WW		SWW	55.2	2.0	3.3	8.75	1250	76.0		372	73	
850693 43-WW		SWW	53.8	3.0	4.8	8.84	1260	78.0		374	72	
850694 44-WW		SWW	55.5	1.8	2.7	8.86	1210	72.0		364	71	
850695 45-WW		SWW	54.8	2.9	3.7	8.69	1250	73.0		349	70	
850696 46-WW		SWW	54.8	1.1	3.7	8.87	1210	73.0		349	71	
850697 47-WW		SWW	54.2	3.3	5.3	9.04	1270	80.0		345	69	
850698 48-WW		SWW	55.2	2.9	4.0	8.66	1200	69.0		348	70	
850699 49-WW		SWW	52.8	3.4	5.5	8.89	1160	69.0		351	73	
850700 50-WW		SWW	53.2	1.4	3.1	8.87	1180	70.0		352	73	
850701 51-WW		SWW	53.9	1.3	4.1	8.87	1190	69.0		355	71	

NURSCO 23

DAVIS, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYIELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/ 2/		1/ 2/		
850702	BB'S *ANZA	510/1	HRS	66.4	68.4	0.35	85.7	10.9	59.4	2H
850703	(TOB*CIANO)*ANZA	510/4	HRS	65.2	71.0	0.36	87.9	11.7	60.1	2M
850704	YEC S' *ANZA	510/6	HRS	64.0	69.5	0.36	86.0	10.1	59.7	4M
850705	((INIA*END)*CAL)ANZA	510/8	HRS	65.2	70.3	0.38	86.1	10.7	58.6	3M
850706	((INIA*END)*CAL)ANZA	510/9	HRS	62.4	66.5	0.37	82.4	11.6	50.6	1M
850707	(CND*INIA)ANZA	510/10	HRS	64.4	69.0	0.35	86.3	10.8	58.0	1M
850708	(C113232*R50)*ANZA	510/11	HRS	64.4	68.2	0.33	86.5	11.4	58.8	1H
850709	(C113232*R50)ANZA	510/13	HRS	62.8	66.9	0.33	84.8	10.8	57.3	1M
850710	((BC60*C113232)166)ANZA	510/15	HRS	65.2	68.0	0.37	84.1	11.1	58.2	2M
850711	((BC60*C113232)166)ANZA	510/17	HRS	63.6	69.1	0.38	84.8	11.1	57.7	3M
850712	((BC60*WM425)NORTENO 67)ANZA	510/18	HWS	64.8	67.8	0.43	81.0	10.0	57.4	2M
850713	RULOFEN * ANZA	510/20	HWS	62.4	65.4	0.38	80.9	10.7	57.0	2M
850714	(BC60*CAL)ANZA	510/22	SWS	64.4	68.6	0.36	85.5	10.3	56.3	3M
850715	(BC60*CAL)ANZA	510/23	HWS	64.4	68.3	0.35	85.2	10.4	59.6	3M
850716	ANZA(C1015284)	510/25	HRS	64.0	68.4	0.36	85.3	9.7	57.6	2M
850717	TADINIA	510/27	HRS	62.0	67.1	0.38	82.5	10.9	59.2	3M
850718	YECORA ROJO(C1017414)	510/26	HRS	65.2	68.8	0.36	85.6	11.0	61.2	3M
850720	PHOENIX(C1017962)	510/30	HWW	62.8	67.5	0.39	82.4	10.2	59.9	3M
850721	JILGUERO * SEL 44	510/32	HRS	64.0	68.1	0.35	85.0	12.1	59.1	3M
850722	PORTOLA * ANZA	510/33	HRS	64.4	68.9	0.33	87.0	10.4	58.8	2M
850723	PORTOLA * 166R	510/34	HRS	65.6	68.9	0.34	86.4	11.8	61.5	8M
850724	STARDY * ANZA	510/36	HRS	65.2	71.1	0.48	81.6	11.6	56.6	1H
850725	TZPP2*ANZA	510/41	HRS	63.6	69.7	0.36	86.3	11.6	60.7	2H
850726	TZPP2*ANZA	510/42	HRS	64.8	68.5	0.38	83.9	10.7	61.3	2H
850727	TZPP2*ANZA	6/510/43	HRS	63.6	68.4	0.37	84.3	12.1	61.5	5H
850728	TZPP2*ANZA	510/46	HRS	64.4	68.9	0.36	85.4	10.9	60.7	3M
850729	TZPP2*ANZA	510/47	HRS	64.4	68.8	0.35	86.0	10.9	60.7	3M
850730	ANZA(166(SEL14*BUNT2-162))	510/53	HRS	64.4	67.7	0.39	82.6	11.4	58.3	2H
850731	((SEL 14*BUT 2-2-16)166)TAN 71	510/54	HRS	64.4	70.0	0.35	87.1	10.3	58.4	3M
850732	ANZA(CASTEL FUSANO * HIPRO)	510/56	HRS	65.2	68.3	0.31	87.4	10.3	57.0	1H
850733	ANZA(CASTEL FUSANO * HIPRO)	510/57	HRS	63.6	69.1	0.33	87.4	11.4	56.4	1H
850734	S 108-2	510/58	HRS	63.6	67.7	0.35	85.0	11.1	56.9	1H
850735	S 149	510/59	HRS	62.8	67.3	0.34	84.9	10.4	56.8	2M
850736	ANZA/S149	510/60	HRS	63.6	67.8	0.38	83.1	10.8	57.4	2H
850737	S149	510/61	HRS	64.0	68.3	0.33	86.7	12.5	58.8	4H

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Basis Corrected to 11% Protein.

4/ Observed Values Corrected to 11% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 23

DAVIS, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					<u>3/</u>			<u>4/</u>		
850702	BB'S *ANZA	510/1	HRS	61.0	61.1	2.1	855	861	6 P-MTIME, LVOL&BCRGR	
850703	(TOB*CIANO)*ANZA	510/4	HRS						P-MIXOGRAPH	
850704	YEC S' *ANZA	510/6	HRS	59.5	60.4	2.9	820	876	6 P-BCRGR	
850705	((INIA*CND)*CAL)ANZA	510/8	HRS	58.0	58.3	1.7	815	834	8 P-BCRGR&LVOL	
850706	((INIA*CND)*CAL)ANZA	510/9	HRS							
850707	(CND*INIA)ANZA	510/10	HRS						P-MIXOGRAPH	
850708	(C113232*R50)*ANZA	510/11	HRS						P-MIXOGRAPH	
850709	(C113232*R50)ANZA	510/13	HRS						P-MIXOGRAPH	
850710	((BC60*C113232)166)ANZA	510/15	HRS						P-MIXOGRAPH	
850711	((BC60*C113232)166)ANZA	510/17	HRS	58.5	58.4	2.0	880	874	8 P-MTIME&BCRGR	
850712	((BC60*WM425)NORTENO 67)ANZA	510/18	HWS						P-MIXOGRAPH	
850713	RULOFEN * ANZA	510/20	HWS						P-MIXOGRAPH	
850714	(BC60*CAL)ANZA	510/22	SWS	55.8	56.5	2.0	835	877	8 P-MTIME&BCRGR	
850715	(BC60*CAL)ANZA	510/23	HWS	59.2	59.8	1.8	825	862	8 P-MTIME&BCRGR	
850716	ANZA(C1015284)	510/25	HRS	56.0	57.3	1.0	745	826	9 P-MTIME, BCRGR&LVOL	
850717	TADINIA	510/27	HRS	59.3	59.4	1.7	800	806	8 P-MTIME, BCRGR&LVOL	
850718	YECORA ROJO(C1017414)	510/26	HRS	62.9	62.9	2.2	825	825	8 ????	
850720	PHOENIX(C1017962)	510/30	HWW	59.8	60.6	2.0	845	895	6 P-MTIME&BCRGR	
850721	JILGUERO * SEL 44	510/32	HRS						P-MIXOGRAPH	
850722	PORTOLA * ANZA	510/33	HRS						P-MIXOGRAPH	
850723	PORTOLA * 166R	510/34	HRS						6 P-LVOL&BCRGR	
850724	STARDY * ANZA	510/36	HRS	64.0	63.2	4.2	875	825	P-MIXOGRAPH	
850725	TZPP2*ANZA	510/41	HRS						P-MIXOGRAPH	
850726	TZPP2*ANZA	510/42	HRS						P-MIXOGRAPH	
850727	TZPP2*ANZA	510/43	HRS	64.3	63.2	4.0	950	882	2	
850728	TZPP2*ANZA	510/46	HRS						P-MIXOGRAPH	
850729	TZPP2*ANZA	510/47	HRS						P-MIXOGRAPH	
850730	ANZA(166(SEL14*BUNT2-162))	510/53	HRS						P-MIXOGRAPH	
850731	((SEL 14*BUT 2-2-16)166)TAN 71	510/54	HRS						P-MIXOGRAPH	
850732	ANZA(CASTEL FUSANO * HIPO)	510/56	HRS						P-MIXOGRAPH	
850733	ANZA(CASTEL FUSANO * HIPO)	510/57	HRS						P-MIXOGRAPH	
850734	S 108-2	510/58	HRS						P-MIXOGRAPH	
850735	S 149	510/59	HRS						P-MIXOGRAPH	
850736	ANZA/S149	510/60	HRS						P-MIXOGRAPH	
850737	S149	510/61	HRS	62.0	60.5	3.6	895	802	6 P-LVOL&BCRGR	

ADVANCED COMMON WHEAT YIELD TRIAL 510

NURSCO 23

DAVIS, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						<u>1/</u>		<u>1/</u>	<u>3/</u>	
850738	GENARO 81	510/62	HRS	64.0	66.5	0.38	81.9	10.8	56.8	2M
850739	GLENNSON 81	510/63	HRS	64.4	68.2	0.42	81.4	11.1	56.6	3M
850740	VEE S'	510/64	HWS	63.6	67.8	0.40	82.4	10.9	56.5	2M
850741	VEERY S'	510/65	HRS	63.6	66.3	0.40	80.8	11.6	57.6	2M
850742	VEERY S'	510/60	HRS	64.0	68.0	0.36	84.7	11.1	56.7	2M
850743	VEERY S'	510/67	HRS	63.6	68.8	0.37	84.7	11.1	57.4	3M
850744	COCKOO S'	510/69	HWS	63.6	62.7	0.36	79.2	10.2	60.5	3H
850745	CNO-INIA S'*BS	510/70	HWS	63.6	61.6	0.35	78.3	9.6	61.3	3H
850746	F35 70-MO*NAC	510/71	HWS	64.0	67.0	0.37	82.8	10.8	56.5	2M
850747	DGA-BJY S'	510/72	HWS	62.4	71.7	0.45	83.9	10.9	58.6	3H
850748	PROBRAND 771 (NK755511)	510/80	HRS	60.4	68.8	0.34	86.7	11.6	59.9	4H

NURSCO 23

DAVIS, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					<u>3/</u>			<u>4/</u>		
850738	GENARO 81	510/62	HRS	58.4	58.3	2.2	835	829		P-MIXOGRAPH
850739	GLENNSON 81	510/63	HRS							9P-LVOL&BCRGR
850740	VEE S'	510/64	HWS							P-MIXOGRAPH
850741	VEERY S'	510/65	HRS							P-MIXOGRAPH
850742	VEERY S'	510/60	HRS							P-MIXOGRAPH
850743	VEERY S'	510/67	HRS							P-MIXOGRAPH
850744	COCKOO S'	510/69	HWS	61.4	62.2	2.4	720	770		9P-LVOL&BCRGR
850745	CNO-INIA S'*BS	510/70	HWS	61.6	63.0	2.8	675	762		9P-LVOL&BCRGR
850746	F35 70-MO*NAC	510/71	HWS							P-MIXOGRAPH
850747	DGA-BJY S'	510/72	HWS	60.2	60.3	2.8	840	846		6P-BCRGR
850748	PROBRAND 771 (Nk755511)	510/80	HRS	62.2	61.6	3.2	960	923		3

COMMENTS: Selections which had weak and short dough mixing properties determined by a mixograph were not baked in a bread test. Most common deficiencies of this group of hard red and white wheats was poor baking properties (short mixing, low bread volume, and heavy crumb structure). See Remarks. It is questionable that selection No. 510/26 is Yecora Rojo, as performance was atypical for that variety.

P = Poor

NURSCO 24

DAVIS, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH 1/	MSCOR	FPROT 1/	MABSC 3/	MTYPE
850749	BB S' * ANZA	511/22	HRS	64.8	71.4	0.37	87.9	10.2	60.2	2H
850750	NURI'S' * ANZA	511/5	HRS	64.8	70.9	0.35	88.4	12.3	59.2	2H
850751	CNO S' X 2 X INIA)* ANZA	511/10	HRS	64.4	69.5	0.33	87.6	10.8	57.5	2M
850752	ANZA X (D6301 X NAINAZA 60)	511/11	HRS	63.6	68.0	0.36	84.4	11.4	58.0	3M
850753	ANZA X CAJEME 71	511/12	HRS	63.2	70.4	0.36	87.0	12.2	59.0	2H
850754	(CI 13232 X R50) X ANZA	511/13	HRS	62.4	68.1	0.36	84.6	11.5	57.8	2H
850755	JU QUERO S' * ANZA	511/17	HRS	65.2	69.2	0.31	88.5	11.6	60.6	2H
850756	ANZA2 * JUSTIN	511/18	HRS	64.4	69.3	0.33	87.4	11.0	59.1	4M
850757	JUSTIN * ANZA	511/19	HRS	61.6	66.4	0.38	82.0	10.7	59.6	1H
850758	ANZA (CI015284)	511/20	HRS	64.0	69.3	0.34	87.1	9.7	57.6	2M
850759	YECORA ROJO (CI017414)	511/21	HRS	64.0	69.0	0.35	86.2	12.1	63.7	5H
850760	(DIBO MENFLO)* ANZA	511/24	HRS	65.6	70.7	0.33	89.1	11.3	58.4	4H
850761	ANZA * +66*(SEL 142*BURT-2-16)	511/29	HWS	65.2	67.4	0.36	84.1	10.3	57.8	2M
850762	ANZA * +66*(SEL 142*BURT-2-16)	511/30	HRS	65.2	72.2	0.34	90.1	10.4	59.4	2M
850763	W31 4 TRANSEC 77.1901	511/32	HWS	64.4	68.2	0.34	85.9	10.7	58.4	2M
850764	(JUSTI-417-51 * SC662)*ANZA	511/39	HRS	65.2	71.1	0.33	89.4	11.5	61.0	4H
850765	ANZA 2 JUSTIN	511/44	HRS	66.4	67.1	0.35	84.1	11.3	59.8	2H
850767	(BB X CHA)* FKN 2*(FR*(KAD*GB))	511/48	HWS	66.0	67.9	0.39	88.7	10.7	58.6	2M
850768	((INIA X CNO)X CALIDAD)*ANZA	511/7	HRS	63.6	71.3	0.36	83.2	10.6	58.8	2H
							87.9	11.2	58.1	2M

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 11% Protein.

4/ Observed Values Corrected to 11% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 24

DAVIS, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLG	BCRGR	RMKS
					3/			4/		
850749	BB S' * ANZA	511/22	HRS	59.1	59.9	1.2	915	965	6	P-MTIME&BCRGR
850750	NURI S' * ANZA	511/5	HRS	61.2	59.9	1.8	875	794	8	P-MTIME,BCRGR&LVOL
850751	(CNO S' X 2 X INIA)* ANZA	511/10	HRS							P-MIXOGRAPH
850752	ANZA X (D6301 X NAINAZA 60)	511/11	HRS	60.1	59.7	2.4	805	780	9	P-LVOL&BCRGR
850753	ANZA X CAJEME 71	511/12	HRS							P-MIXOGRAPH
850754	(CI 13232 X R50) X ANZA	511/13	HRS							P-MIXOGRAPH
850755	JU QUERO S' * ANZA	511/17	HRS	61.9	61.3	1.8	925	888	5	P-MTIME Q-BCRGR
850756	ANZA2 * JUSTIN	511/18	HRS	60.8	60.8	2.6	740	740	9	P-LVOL&BCRGR
850757	JUSTIN * ANZA	511/19	HRS							P-MIXOGRAPH
850758	ANZA (CI015284)	511/20	HRS	58.0	59.3	1.7	725	806	9	
850759	YECORA ROJO (CI017414)	511/21	HRS	66.5	65.4	4.4	925	857	4	
850760	(DIBO MENFLO)* ANZA	511/24	HRS	60.4	60.1	3.5	750	731	9	P-LVOL&BCRGR
850761	ANZA * +66*(SEL 142*BURT-2-16)	511/29	HWS							P-MIXOGRAPH
850762	ANZA * +66*(SEL 142*BURT-2-16)	511/30	HRS							P-MIXOGRAPH
850763	WW31 4 TRANSEC 77.1901	511/32	HWS							P-MIXOGRAPH
850764	(JUSTI-417-51 * SC662)*ANZA	511/39	HRS	63.2	62.7	3.3	865	834	5	P-LVOL Q-BCRGR
850765		511/44	HRS	61.8	61.5	2.4	775	756	9	P-LVOL&BCRGR
850766	ANZA 2 JUSTIN	511/46	HRS							
850767	(BB X CHA)* FKN 2*(FR*(KAD*GB))	511/48	HWS							
850768	((INIA X CNO)X CALIDAD)*ANZA	511/7	HRS							

COMMENTS: There are no promising selections among this yield trial group for end-use quality. See "Remarks".

P = Poor; Q = Questionable

NURSCO 25

DAVIS, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/		1/	3/	
850769	BE1/B-G3CNDR*3/AGENT/CI13449/CENTURK	514/7	HWS	62.4	66.1	0.41	80.1	10.3	61.2	4H
850770	ANZA*(D6301*NAINARI 60)	514/13	HRS	64.0	67.1	0.37	83.3	10.6	61.1	6M
850771	ANZA*(D6301*NAINARI 60)	514/15	HRS	64.4	67.4	0.35	84.3	10.5	60.3	3M
850772	ANZA C1015284	514/20	HRS	64.0	68.7	0.34	86.5	9.5	56.9	2M
850773	YECORA ROJO C1017414	514/21	HRS	64.4	67.6	0.38	83.1	11.6	63.6	6H
850774	ANZA*(CASTELFUSANO * HIPRO)	514/24	HRS	65.6	68.4	0.33	86.6	10.9	56.0	2M
850775	(JUSTIN 2 * SIETECERROS)* ANZA	514/28	HRS	65.2	68.4	0.28	89.4	10.7	57.7	3M
850776	166R * KAL*(HOPPS * RON)	514/31	HRS	64.8	67.8	0.33	86.2	12.4	60.9	2H
850777	ANZA 2 * JUSTIN	514/34	HRS	65.6	69.4	0.32	88.1	10.6	58.9	2M
850778	ANZA 2 * JUSTIN	514/36	HRS	64.4	69.4	0.33	87.6	11.4	58.6	2H
850779	BANKUTI * RED RIVER	5/ 514/44	HRS	63.2	67.4	0.36	84.2	13.1	67.2	4H
850780	RED RIVER 68 2 * BANKUTI	6/ 514/45	HRS	63.2	69.4	0.38	85.2	13.0	62.1	3H
850781	PORTOLA	514/46	HRS	63.6	70.3	0.36	87.0	13.3	58.1	3M

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
850769	BE1/B-G3CNDR*3/AGENT/CI13449/CENTURK	514/7	HWS	62.2	62.9	2.6	900	943	6Q-FYELD P-BCRGR	
850770	ANZA*(D6301*NAINARI 60)	514/13	HRS	62.4	62.8	3.1	775	800	9P-LVOL&BCRGR	
850771	ANZA*(D6301*NAINARI 60)	514/15	HRS	61.5	62.0	2.1	770	801	9P-LVOL&BCRGR	
850772	ANZA C1015284	514/20	HRS	56.1	57.6	1.3	725	818	9	
850773	YECORA ROJO C1017414	514/21	HRS	65.9	65.3	4.7	885	848	4	
850774	ANZA*(CASTELFUSANO * HIPRO)	514/24	HRS						P-MIXOGRAPH	
850775	(JUSTIN 2 * SIETECERROS)* ANZA	514/28	HRS						P-MIXOGRAPH	
850776	166R * KAL*(HOPPS * RON)	514/31	HRS	64.0	62.6	2.2	885	798	8P-LVOL&BCRGR	
850777	ANZA 2 * JUSTIN	514/34	HRS	60.7	60.3	2.3	775	750	P-MIXOGRAPH	
850778	ANZA 2 * JUSTIN	514/36	HRS						9P-LVOL&BCRGR	
850779	BANKUTI * RED RIVER	514/44	HRS	71.0	68.9	2.8	1105	975	2	
850780	RED RIVER 68 2 * BANKUTI	514/45	HRS	65.8	63.8	2.9	1000	876	3Q-BCRGR	
850781	PORTOLA	514/46	HRS	61.1	58.8	1.7	955	812	6P-MTIME, LVOL&BCRGR	

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 11% Protein.

4/ Observed Values Corrected to 11% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

COMMENTS: A few of the selections were too poor in dough mixing (mixograph) properties to warrant baking trials. Selection 514/44 is noteworthy for overall quality. See "Remarks" for major deficiencies.

P = Poor; Q = Questionable

NURSCO 26

DAVIS, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYIELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/		1/	3/	
850782	(TOB 66 * R50 F1)166	512/3	HRS	65.2	71.5	0.35	88.5	9.3	57.4	2M
850783	D6301*166 RANDOM BULK	512/4	HRS	66.4	70.3	0.34	87.9	10.5	59.0	2M
850784	((INIA * CNO) * CAL)*ANZA	512/11	HRS	65.6	69.4	0.34	87.3	11.3	60.1	2M
850785	NURI S' * ANZA	6/512/12	HWS	66.0	71.3	0.35	88.4	12.4	59.9	2H
850786	AZTECA * ANZA	512/13	HRS	66.0	66.8	0.36	83.4	9.8	59.1	3M
850787	YEC S' * ANZA	512/15	HRS	66.4	69.7	0.31	88.7	10.3	57.9	3M
850788		512/17	HRS	66.0	70.2	0.36	86.6	10.1	58.6	2M
850789	(CNO S' X 2 * INIA) * ANZA	512/18	HRS	64.8	69.1	0.33	87.4	10.1	57.6	2M
850790	INIA 66 * ANZA	512/19	HRS	64.8	64.9	0.34	82.3	9.7	59.1	2M
850791	ANZA C1015284	512/20	HRS	64.4	69.3	0.34	87.1	9.5	57.3	2M
850792	YECORA ROJO C1017414	512/21	HRS	64.8	68.5	0.36	85.3	11.7	61.9	5H
850793	(BAYIO * CALIDAD)* ANZA	512/23	HRS	65.6	69.1	0.33	87.5	11.7	58.4	1H
850794	(C113232 * R50)* ANZA	512/24	HWS	65.2	68.6	0.36	85.1	9.3	57.1	1M
850795	(C113232 * R50)* ANZA	512/26	HWS	65.6	69.4	0.38	85.2	9.9	56.5	1M
850796	RULOFEN * ANZA	6/512/29	HRS	66.0	68.9	0.32	87.6	10.1	60.7	3H
850797	ANZA * (D6301 * NAINARI 60)	512/30	HRS	66.0	70.3	0.33	88.7	11.3	58.8	3H
850798	ANZA * SARIC 166	6/512/32	HRS	66.0	70.8	0.32	89.6	11.5	60.6	2H
850799	ANZA * JUSTIN	6/512/34	HRS	66.4	71.4	0.32	90.2	11.7	61.0	2H
850800	ANZA * SCOUT	512/39	HRS	65.2	69.4	0.33	87.6	10.9	61.4	2M
850801	(DIBO * MENFLO)* ANZA	512/44	SRS	64.0	69.1	0.32	89.4	9.4	54.2	1M
850802	(JUSTIN 2 * SC 66)* TANORI 71	512/47	HWS	65.6	68.8	0.33	87.0	11.0	58.8	4M

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 11% Protein.

4/ Observed Values Corrected to 11% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 26

DAVIS, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					<u>3/</u>			<u>4/</u>		
850782	(10B 66 * R50 F1)166	512/3	HRS							P-MIXOGRAPH
850783	D6301*166 RANDOM BULK	512/4	HRS							P-MIXOGRAPH
850784	((INIA * CNO) * CAL)*ANZA	512/11	HRS							P-MIXOGRAPH
850785	NURI S' * ANZA	512/12	HWS	63.0	61.6	2.3	940	853		3(Hard White)Q-BCRGR
850786	AZTECA * ANZA	512/13	HRS							P-MIXOGRAPH
850787	YEC S' * ANZA	512/15	HRS	58.9	59.6	2.2	800	843		6P-MTIME&BCRGR
850788	(CNO S' X 2 * INIA) * ANZA	512/17	HRS							P-MIXOGRAPH
850789	INIA 66 * ANZA	512/18	HRS							P-MIXOGRAPH
850790	INIA 66 * ANZA	512/19	HRS							P-MIXOGRAPH
850791	ANZA C1015284	512/20	HRS	57.5	59.0	1.4	735	828		9
850792	YECORA ROJO C1017414	512/21	HRS	64.3	63.6	4.0	930	887		2
850793	(BAY10 * CALIDAD)* ANZA	512/23	HRS							P-MIXOGRAPH
850794	(C113232 * R50)* ANZA	512/24	HWS							P-MIXOGRAPH
850795	(C113232 * R50)* ANZA	512/26	HWS							P-MIXOGRAPH
850796	RULOFEN * ANZA	512/29	HRS	60.5	61.4	2.1	875	931		4Q-BCRGR
850797	ANZA * (D6301 * NAINARI 60)	512/30	HRS	60.8	60.5	2.2	860	841		5Q-BCRGR&LVOL
850798	ANZA * SARI C 166	512/32	HRS	62.8	62.3	1.9	965	934		3Q-BCRGR
850799	ANZA * JUSTIN	512/34	HRS	63.4	62.7	1.8	955	912		4Q-BCRGR
850800	ANZA * SCOUT	512/39	HRS							P-MIXOGRAPH
850801	(DIBO * MENFLO)* ANZA	512/44	SRS							P-MIXOGRAPH(Soft)
850802	(JUSTIN 2 * SC 66)* TANORI 71	512/47	HWS	60.5	60.5	2.3	775	775		8P-LVOL&BCRGR

COMMENTS: Selections with weak mixographs were not baked. See "Remarks" for major deficiencies and weaknesses.

P = Poor; Q = Questionable

NURSCO 27

DAVIS, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYLD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/		1/	3/	
850803	YECORA S' * ANZA	513/03	HRS	65.2	68.8	0.33	86.9	11.9	62.1	4H
850804	ANZA (C1015284)	513/20	HRS	64.8	68.9	0.33	87.3	9.4	57.1	2M
850805	YECORA ROJO (C1017414)	513/21	HRS	64.4	68.8	0.37	85.0	11.3	63.5	5H
850806	ZIG S' - SJMS	513/25	HWS	64.4	70.4	0.38	85.9	10.9	60.6	4H
850807	166 2 * JUSTIN, BC	5/513/28	HRS	65.6	69.5	0.30	89.3	11.9	62.3	5H
850808	(JUSTIN 47-51 * SC66 2)* TANORI 71	513/29	HRS	65.2	73.7	0.42	87.4	10.7	58.7	2M
850809	INIA 66 * ANZA	513/35	HRS	63.2	68.8	0.33	87.0	11.0	59.9	2M
850810	((C113232 * R50)* ANZA	513/36	HWS	63.6	69.3	0.36	85.7	11.3	58.4	3M
850811	AZTECA * ANZA	513/38	HRS	65.6	66.6	0.35	83.5	10.3	59.7	2H
850812	71-T121RESEL * ANZA 7	513/47	HRS	64.8	69.2	0.38	85.0	11.2	58.0	4M

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLG	BCRGR	RMKS
					3/			4/		
850803	YECORA S' * ANZA	513/03	HRS	63.7	62.8	2.0	935	879	4	Q-MTIME&BCRGR
850804	ANZA (C1015284)	513/20	HRS	56.2	57.8	1.3	730	829	9	
850805	YECORA ROJO (C1017414)	513/21	HRS	65.5	65.2	4.4	975	956	3	
850806	ZIG S' - SJMS	513/25	HWS	62.2	62.3	3.1	865	871	5	Q-LVOL&BCRGR
850807	166 2 * JUSTIN, BC	513/28	HRS	64.9	64.0	3.4	965	909	2	
850808	(JUSTIN 47-51 * SC66 2)* TANORI 71	513/29	HRS							P-MIXOGRAPH
850809	INIA 66 * ANZA	513/35	HRS							P-MIXOGRAPH
850810	((C113232 * R50)* ANZA	513/36	HWS	60.4	60.1	2.2	825	806	8	P-MTIME, LVOL&BCRGR
850811	AZTECA * ANZA	513/38	HRS	60.7	61.4	2.2	770	813	8	P-MTIME, LVOL&BCRGR
850812	71-T121RESEL * ANZA 7	513/47	HRS	59.9	59.7	3.3	700	688	8	P-LVOL&BCRGR

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 11% Protein.

4/ Observed Values Corrected to 11% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

COMMENTS: Selections that were weak in mixing properties (# 29 & 35) were not baked. No. 513/28 appears excellent in overall quality.
See "Remarks" for deficiencies of the other selections.

Q = Questionable; P = Poor

NURSCO 28

DAVIS, CA

C.O. QUALSET

LABRUM	VARIETY	IDNO	CLASS	TWI	LYTD	LASH	MSCOR	FPROT	MABSC	MTYPE
						1/		1/	3/	
850813 N LEVEL 2		6/501/E1	HRS	61.4	70.1	0.38	85.8	10.0	61.2	6M
850814 N LEVEL 2		501/E2	HRS	62.1	66.8	0.37	82.6	11.9	59.7	6M
850815 N LEVEL 2		6/501/E3	HRS	62.4	68.5	0.41	82.6	12.8	62.8	4H
850816 N LEVEL 2		6/501/E4	HRS	60.2	68.4	0.39	83.6	10.8	59.2	3M
850817 N LEVEL 2		501/E5	HRS	63.4	69.7	0.35	86.9	11.8	60.9	1H
850818 N LEVEL 2		501/E6	HRS	62.8	68.6	0.36	85.0	11.9	60.6	1H
850819 N LEVEL 2		6/501/E7	HRS	62.1	69.8	0.39	85.0	11.2	60.5	3M
850820 N LEVEL 2		501/E8	HRS	61.0	70.4	0.36	86.9	10.9	59.7	3M
850821 N LEVEL 2		501/E9	HRS	62.9	69.9	0.35	87.1	10.0	61.3	3M
850822 N LEVEL 2	CAJEME 71	501/E10	HRS	61.8	67.2	0.40	81.8	12.1	63.1	5H
850823 N LEVEL 2		501/E11	HRS	61.4	65.1	0.39	79.8	9.6	61.4	8M
850824 N LEVEL 2		501/E12	HRS	62.4	71.1	0.37	87.2	10.9	60.8	3M
850825 N LEVEL 2		501/E13	HRS	62.6	71.0	0.38	86.8	10.5	62.3	3M
850826 N LEVEL 2		501/E14	HRS	60.8	69.9	0.40	84.7	11.4	62.0	2M
850827 N LEVEL 2		501/E15	HRS	62.8	69.5	0.39	84.4	12.1	62.8	1H
850828 N LEVEL 2		6/501/E16	HRS	63.7	69.3	0.34	87.2	13.3	61.6	3H
850829 N LEVEL 2		501/E17	HRS	59.9	66.9	0.40	81.6	10.3	62.7	8M
850830 N LEVEL 2		501/E18	HRS	62.4	67.8	0.39	82.8	10.8	62.9	3M
850831 N LEVEL 2		501/E19	HRS	61.0	66.4	0.41	80.1	11.8	62.9	3H
850832 N LEVEL 2	ANZA (C1015284)	501/E20	HRS	62.7	69.3	0.37	85.6	10.4	61.3	2M
850833 N LEVEL 2		501/E21	HRS	59.3	67.2	0.37	83.4	10.3	60.7	6M
850834 N LEVEL 2		6/501/E22	HRS	60.0	67.9	0.38	83.3	11.5	61.2	4H
850835 N LEVEL 2		501/E23	HRS	59.7	64.3	0.43	77.0	10.2	62.8	4H
850836 N LEVEL 2		501/E24	HRS	62.0	69.8	0.39	84.8	11.4	62.9	2H
850837 N LEVEL 2		501/E25	HRS	58.7	68.2	0.40	82.5	10.5	60.8	3M
850838 N LEVEL 2		5/501/E26	HRS	63.6	70.0	0.36	86.7	10.9	61.0	4M
850839 N LEVEL 2		501/E27	HRS	59.2	67.7	0.39	82.5	10.6	61.2	4M
850840 N LEVEL 2		501/E28	HRS	60.8	67.5	0.40	82.1	11.2	61.5	4M
850841 N LEVEL 2		501/E29	HRS	61.6	65.9	0.37	81.7	10.2	60.9	8M
850842 N LEVEL 2	YECORA ROJO (C1017414)	501/E30	HRS	62.8	67.3	0.39	82.5	12.1	62.5	6H
850843 N LEVEL 2		6/501/E31	HRS	63.2	66.1	0.40	80.7	11.7	63.1	4H
850844 N LEVEL 2		501/E32	HRS	64.0	67.3	0.40	82.0	11.7	61.9	3M
850845 N LEVEL 2		501/E33	HRS	63.2	67.8	0.37	83.8	10.7	61.0	3M
850846 N LEVEL 2		501/E34	HRS	62.8	66.4	0.40	80.6	10.6	61.1	3M
850847 N LEVEL 2		501/E35	HRS	60.4	68.5	0.41	82.6	10.0	57.4	4M

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 12% Protein.

4/ Observed Values Corrected to 12% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 28

DAVIS, CA

C.O. QUALSET

LABRUM	VARIETY	IDNO	CLASS	BARS	BARSC	MTIME	I VOL	I VOL C	BCRGR	RMKS
					<u>3/</u>			<u>4/</u>		
850813	N LEVEL 2	501/E1	HRS	60.9	62.9	3.6	920	1044	3	P-FYELD
850814	N LEVEL 2	501/E2	HRS	61.8	61.9	3.1	935	941	2	Q-LVOL&BCRGR
850815	N LEVEL 2	501/E3	HRS	65.3	64.5	3.2	970	920	3	Q-MTIME
850816	N LEVEL 2	501/E4	HRS	59.7	60.9	2.1	925	999	3	P-MTIME
850817	N LEVEL 2	501/E5	HRS	61.4	61.6	1.2	950	962	3	P-MTIME
850818	N LEVEL 2	501/E6	HRS	61.2	61.3	1.5	910	916	3	P-MTIME&LVOL
850819	N LEVEL 2	501/E7	HRS	61.4	62.2	2.2	950	1000	3	Q-MTIME
850820	N LEVEL 2	501/E8	HRS	60.3	61.4	2.2	825	893	5	P-MTIME LVOL&BCRGR
850821	N LEVEL 2	501/E9	HRS	60.0	62.0	1.5	880	1004	6	P-MTIME&BCRGR
850822	N LEVEL 2	501/E10	HRS	64.9	64.8	3.9	970	964	2	
850823	N LEVEL 2	501/E11	HRS	60.7	63.1	3.7	810	959	6	P-BCRGR&FYELD
850824	N LEVEL 2	501/E12	HRS	59.4	60.5	1.5	970	1038	3	P-MTIME
850825	N LEVEL 2	501/E13	HRS	61.0	62.5	1.3	950	1043	6	P-MTIME&BCRGR
850826	N LEVEL 2	501/E14	HRS	61.6	62.2	1.5	960	997	4	P-MTIME&BCRGR
850827	N LEVEL 2	501/E15	HRS	62.6	62.5	1.0	890	884	6	P-MTIME&BCRGR
850828	N LEVEL 2	501/E16	HRS	64.6	63.3	2.3	1000	919	4	Q-MTIME&BCRGR
850829	N LEVEL 2	501/E17	HRS	62.7	64.4	4.0	875	980	6	P-FYELD,BCRGR
850830	N LEVEL 2	501/E18	HRS	63.4	64.6	2.1	870	944	6	P-MTIME&BCRGR
850831	N LEVEL 2	501/E19	HRS	63.9	64.1	2.0	960	972	3	P-FYELD,MTIME
850832	N LEVEL 2	501/E20	HRS	61.4	63.0	1.3	790	889	8	
850833	N LEVEL 2	501/E21	HRS	60.7	62.4	3.6	880	985	8	Q-FYELD P-BCRGR
850834	N LEVEL 2	501/E22	HRS	62.4	62.9	4.0	940	971	2	Q-FYELD
850835	N LEVEL 2	501/E23	HRS	62.7	64.5	3.6	840	952	8	P-FYELD,BCRGR
850836	N LEVEL 2	501/E24	HRS	63.0	63.6	1.5	1020	1057	4	P-MTIME Q-BCRGR
850837	N LEVEL 2	501/E25	HRS	60.0	61.5	1.4	890	983	6	P-MTIME&BCRGR
850838	N LEVEL 2	501/E26	HRS	61.6	62.7	3.5	940	1008	2	
850839	N LEVEL 2	501/E27	HRS	60.5	61.9	2.9	925	1012	6	Q-FYELD P-BCRGR
850840	N LEVEL 2	501/E28	HRS	62.4	63.2	2.5	915	965	4	Q-FYELD,BCRGR
850841	N LEVEL 2	501/E29	HRS	63.3	65.1	4.2	885	997	4	P-FYELD Q-BCRGR
850842	N LEVEL 2	501/E30	HRS	64.3	64.2	5.3	945	939	2	
850843	N LEVEL 2	501/E31	HRS	64.5	64.8	3.9	930	949	3	Q-FYELD
850844	N LEVEL 2	501/E32	HRS	63.3	63.6	1.9	900	919	4	Q-FYELD P-MTIME
850845	N LEVEL 2	501/E33	HRS	61.4	62.7	2.2	890	971	6	P-MTIME&BCRGR
850846	N LEVEL 2	501/E34	HRS	62.4	63.8	2.6	875	962	4	P-FYELD Q-BCRGR
850847	N LEVEL 2	501/E35	HRS	57.1	59.1	3.1	840	964	6	Q-P-BCRGR

YECORA ROJO (C1017414)

ANZA (C1015284)

CAJEME 71

NURSCO 28

DAVIS, CA

C.O. QUALSET

1 ARNUM	VARIETY	IDNO	CLASS	TWT	YIELD	FASH 1/	MSCOR	FPROI 1/	MABSC 3/	MTYPE
850848	N LEVEL 2	501/E36	HRS	63.2	71.0	0.37	87.3	12.6	60.7	2H
850849	N LEVEL 2	5/501/E37	HRS	63.6	69.1	0.38	84.8	11.2	60.3	6M
850850	N LEVEL 2	501/E38	HRS	61.2	66.5	0.45	78.5	12.6	65.6	5H
850851	N LEVEL 2	501/E39	HRS	62.0	66.9	0.40	81.5	10.3	63.1	6M
850852	N LEVEL 2 CAJEME 71	6/501/E40	HRS	62.4	66.2	0.42	79.5	12.0	63.8	5H
850853	N LEVEL 2	501/E41	HRS	63.6	70.0	0.35	87.3	10.8	60.5	3M
850854	N LEVEL 2	501/E42	HRS	61.6	66.4	0.38	81.7	12.1	62.9	2H
850855	N LEVEL 2	501/E43	HRS	64.0	68.6	0.32	87.2	12.2	61.3	1H
850856	N LEVEL 2	501/E44	HRS	62.8	68.3	0.34	86.0	11.3	60.9	3M
850857	N LEVEL 2	501/E45	HRS	59.6	67.2	0.43	80.0	9.8	62.0	4M
850858	N LEVEL 2	501/E46	HRS	61.6	68.2	0.37	84.4	11.7	61.0	2H
850859	N LEVEL 2	6/501/E47	HRS	59.2	67.1	0.43	79.9	11.3	62.4	8M
850860	N LEVEL 2 ANZA (C1015284)	501/E48	HRS	63.6	69.5	0.36	86.1	10.3	60.2	2M
850861	N LEVEL 3	6/501/E1	HRS	62.4	71.3	0.36	87.9	11.4	61.7	4H
850862	N LEVEL 3	501/E2	HRS	62.8	67.2	0.35	84.2	12.8	60.4	4H
850863	N LEVEL 3	6/501/E3	HRS	62.8	68.9	0.39	83.8	14.1	64.7	4H
850864	N LEVEL 3	501/E4	HRS	60.8	68.5	0.39	83.3	12.1	62.0	2H
850865	N LEVEL 3	501/E5	HRS	63.6	68.6	0.36	85.5	12.3	61.1	1H
850866	N LEVEL 3	501/E6	HRS	62.8	69.1	0.36	85.7	12.9	60.4	1H
850867	N LEVEL 3	6/501/E7	HRS	62.4	69.2	0.36	85.9	12.0	63.4	3H
850868	N LEVEL 3	501/E8	HRS	60.4	68.4	0.37	84.6	12.2	60.0	2H
850869	N LEVEL 3	501/E9	HRS	64.0	69.4	0.34	87.1	11.1	61.3	3M
850870	N LEVEL 3 CAJEME 71	501/E10	HRS	62.4	66.3	0.39	81.1	13.2	64.1	5H
850871	N LEVEL 3	501/E11	HRS	62.4	66.2	0.38	81.7	10.3	60.2	8M
850872	N LEVEL 3	501/E12	HRS	62.4	70.8	0.37	87.0	12.1	61.8	2H
850873	N LEVEL 3	501/E13	HRS	60.0	69.3	0.38	84.7	12.1	61.5	2H
850874	N LEVEL 3	501/E14	HRS	62.4	69.7	0.38	85.5	11.9	60.8	2H
850875	N LEVEL 3	501/E15	HRS	62.8	68.8	0.40	83.2	14.2	62.1	1H
850876	N LEVEL 3	6/501/E16	HRS	63.6	69.3	0.35	86.5	13.8	61.4	3H
850877	N LEVEL 3	501/E17	HRS	59.6	66.0	0.39	80.9	10.8	61.7	8M
850878	N LEVEL 3	501/E18	HRS	62.8	67.7	0.38	83.2	11.8	63.1	2H
850879	N LEVEL 3	501/E19	HRS	61.2	66.6	0.42	79.9	12.7	63.1	2H
850880	N LEVEL 3 ANZA (C1015284)	501/E20	HRS	64.0	68.9	0.35	86.3	11.2	60.2	2M
850881	N LEVEL 3	501/E21	HRS	60.0	66.4	0.38	81.8	11.2	59.0	6M
850882	N LEVEL 3	6/501/E22	HRS	60.4	68.5	0.39	83.6	12.1	60.6	6M

NURSCO 28

DAVIS, CA

C.O. QUALSET

LABRUM	VARIETY	IDNO	CLASS	BARS	RABSC	MTIME	I VOL	I.VOL C	BCRGR	RMKS
					3/			4/		
850848 N LEVEL 2	CAJEME 71	501/E36	HRS	62.0	61.4	1.4	975	938	4P-MTIME Q-BCRGR	
850849 N LEVEL 2		501/E37	HRS	61.2	62.0	4.4	925	975	2	
850850 N LEVEL 2		501/E38	HRS	67.9	67.3	3.7	945	908	3P-FYELD Q-LVOL	
850851 N LEVEL 2		501/E39	HRS	63.1	64.8	3.5	890	995	4P-FYELD Q-BCRGR	
850852 N LEVEL 2		501/E40	HRS	65.5	65.5	3.6	950	950	2P-FYELD	
850853 N LEVEL 2		501/E41	HRS	59.0	60.2	1.4	900	974	8P-MTIME&BCRGR	
850854 N LEVEL 2		501/E42	HRS	62.7	62.6	1.3	995	989	7P-MTIME&BCRGR	
850855 N LEVEL 2		501/E43	HRS	61.7	61.5	1.1	900	888	7P-MTIME&BCRGR	
850856 N LEVEL 2		501/E44	HRS	61.9	62.6	2.1	915	958	6P-MTIME&BCRGR	
850857 N LEVEL 2		501/E45	HRS	61.5	63.7	3.9	880	1016	4Q-PROT.&BCRGR	
850858 N LEVEL 2	ANZA (C1015284)	501/E46	HRS	61.4	61.7	1.5	920	939	5P-MTIME&BCRGR	
850859 N LEVEL 2		501/E47	HRS	63.4	64.1	5.4	940	983	4Q-FYELD&BCRGR	
850860 N LEVEL 2		501/E48	HRS	58.7	60.4	1.7	855	960	7	
850861 N LEVEL 3		501/E1	HRS	62.8	63.4	3.1	945	982	2	
850862 N LEVEL 3		501/E2	HRS	62.9	62.1	2.8	995	945	4P-FYELD Q-BCRGR	
850863 N LEVEL 3		501/E3	HRS	67.5	65.4	2.8	1060	930	2	
850864 N LEVEL 3		501/E4	HRS	62.3	62.2	1.7	965	959	7P-MTIME&BCRGR	
850865 N LEVEL 3		501/E5	HRS	61.6	61.3	1.2	975	956	7P-MTIME&BCRGR	
850866 N LEVEL 3		501/E6	HRS	62.0	61.1	1.4	990	934	6P-MTIME&BCRGR	
850867 N LEVEL 3		501/E7	HRS	63.6	63.6	2.9	1020	1020	2	
850868 N LEVEL 3	CAJEME 71	501/E8	HRS	61.9	61.7	2.1	910	898	8P-MTIME.LVOL&BCRGR	
850869 N LEVEL 3		501/E9	HRS	60.1	61.0	1.2	910	966	6P-MTIME&BCRGR	
850870 N LEVEL 3		501/E10	HRS	67.0	65.8	3.5	1000	926	2	
850871 N LEVEL 3		501/E11	HRS	60.7	62.4	3.4	845	950	6P-PROT,BCRGR&FYELD	
850872 N LEVEL 3		501/E12	HRS	61.6	61.5	1.3	930	924	6P-MTIME&BCRGR	
850873 N LEVEL 3		501/E13	HRS	62.3	62.2	1.7	995	989	6P-MTIME&BCRGR	
850874 N LEVEL 3		501/E14	HRS	61.9	62.0	1.8	980	986	6P-MTIME&BCRGR	
850875 N LEVEL 3		501/E15	HRS	65.0	62.8	1.1	985	849	6P-MTIME&BCRGR	
850876 N LEVEL 3		501/E16	HRS	64.9	63.1	2.8	1070	958	4Q-BCRGR	
850877 N LEVEL 3		501/E17	HRS	62.2	63.4	4.5	920	994	4P-FYELD Q-BCRGR	
850878 N LEVEL 3	ANZA (C105284)	501/E18	HRS	64.6	64.8	2.1	925	937	3Q-FYELD.MTIME&BCRGR	
850879 N LEVEL 3		501/E19	HRS	65.5	64.8	2.0	1010	967	5P-FYELD.MTIME&BCRGR	
850880 N LEVEL 3		501/E20	HRS	61.1	61.9	1.7	915	965	5	
850881 N LEVEL 3		501/E21	HRS	59.9	60.7	3.0	955	1005	5P-FYELD&BCRGR	
850882 N LEVEL 3		501/E22	HRS	62.4	62.3	3.3	1005	999	2	

NURSCO 28

DAVIS, CA

C.O. QUALSET

L ARRHUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH 1/	MSCOR	FPROT 1/	HABSC 3/	N TYPE
850883 N LEVEL 3	YECORA ROJO (C1017414)	501/E23	HRS	59.6	65.1	0.45	76.7	10.7	60.5	6M
850884 N LEVEL 3		501/E24	HRS	61.6	69.5	0.43	82.4	12.3	61.6	2H
850885 N LEVEL 3		501/E25	HRS	58.8	69.3	0.41	83.2	11.7	62.2	2H
850886 N LEVEL 3		501/E26	HRS	62.0	69.5	0.37	85.8	12.4	61.4	4H
850887 N LEVEL 3		501/E27	HRS	59.6	68.4	0.39	83.3	11.9	60.3	4H
850888 N LEVEL 3		501/E28	HRS	61.2	66.8	0.40	81.4	12.1	61.6	3H
850889 N LEVEL 3		501/E29	HRS	61.6	66.8	0.36	83.3	11.2	60.8	8M
850890 N LEVEL 3		501/E30	HRS	62.8	66.8	0.40	81.1	13.5	64.8	6H
850891 N LEVEL 3		6/ 501/E31	HRS	63.6	68.2	0.40	82.7	12.2	63.5	3H
850892 N LEVEL 3		501/E32	HRS	63.6	66.5	0.40	80.9	12.3	63.0	2H
850893 N LEVEL 3		501/E33	HRS	62.0	68.0	0.39	83.0	11.9	61.5	2H
850894 N LEVEL 3		501/E34	HRS	62.0	67.1	0.40	81.4	11.6	62.3	2H
850895 N LEVEL 3		6/ 501/E35	HRS	59.2	67.6	0.41	81.7	11.0	58.7	6M
850896 N LEVEL 3		501/E36	HRS	62.8	71.5	0.37	87.5	13.7	62.5	2H
850897 N LEVEL 3		6/ 501/E37	HRS	62.8	68.7	0.39	84.0	12.2	60.7	4H
850898 N LEVEL 3	CAJEME 71	6/ 501/E38	HRS	62.4	67.0	0.46	78.5	14.1	63.8	4H
850899 N LEVEL 3		501/E39	HRS	62.0	67.0	0.43	80.0	11.4	62.2	4H
850900 N LEVEL 3		501/E40	HRS	62.0	67.1	0.41	81.2	13.6	64.6	5H
850901 N LEVEL 3		501/E41	HRS	63.6	69.5	0.34	87.2	11.6	60.7	2M
850902 N LEVEL 3		501/E42	HRS	60.8	67.0	0.39	82.2	13.3	62.2	2H
850903 N LEVEL 3		501/E43	HRS	63.2	68.2	0.33	86.4	13.1	63.1	1H
850904 N LEVEL 3		501/E44	HRS	62.4	68.8	0.34	86.3	12.5	62.9	2H
850905 N LEVEL 3		501/E45	HRS	59.2	66.1	0.41	80.1	10.4	61.5	4M
850906 N LEVEL 3		501/E46	HRS	60.4	69.2	0.38	84.6	12.8	62.5	2H
850907 N LEVEL 3		6/ 501/E47	HRS	59.6	67.9	0.42	81.6	11.7	60.6	8M
850908 N LEVEL 3 ANZA (C1015284)		501/E48	HRS	64.0	69.7	0.35	87.0	11.0	59.7	3M

NURSCO 28

DAVIS, CA

C.O. QUAL SET

LABRUM	VARIETY	IDRO	CLASS	BARS	BARSC	MTIME	IVOL	IVOLC	BCRGR	RMKS
					<u>3/</u>			<u>4/</u>		
850883 N LEVEL 3	YECORA ROJO (C1017414)	501/E23	HRS	60.9	62.2	3.1	890	971	5	P-FYELD&BCRGR
850884 N LEVEL 3		501/E24	HRS	62.6	62.3	1.7	1060	1041	5	P-MTIME&BCRGR
850885 N LEVEL 3		501/E25	HRS	62.6	62.9	1.3	940	959	4	P-MTIME Q-BCRGR
850886 N LEVEL 3		501/E26	HRS	63.5	63.1	2.5	1020	995	3	
850887 N LEVEL 3		501/E27	HRS	61.9	62.0	2.4	990	996	5	Q-BCRGR
850888 N LEVEL 3		501/E28	HRS	63.4	63.3	2.3	955	949	8	P-FYELD&BCRGR
850889 N LEVEL 3		501/E29	HRS	61.7	62.5	4.0	920	970	3	P-FYELD
850890 N LEVEL 3		501/E30	HRS	68.0	66.5	4.7	1065	972	3	P-FYELD??
850891 N LEVEL 3	CAJEME 71	501/E31	HRS	65.4	65.2	2.5	1005	993	4	Q-BCRGR
850892 N LEVEL 3		501/E32	HRS	65.0	64.7	2.0	985	966	4	P-FYELD&MTIME
850893 N LEVEL 3		501/E33	HRS	63.1	63.2	2.1	1005	1011	4	P-MTIME Q-BCRGR
850894 N LEVEL 3		501/E34	HRS	64.6	65.0	2.5	945	970	5	Q-BCRGR
850895 N LEVEL 3		501/E35	HRS	59.4	60.4	3.2	910	972	2	Q-FYELD
850896 N LEVEL 3		501/E36	HRS	64.4	62.7	1.4	1105	1000	3	P-MTIME
850897 N LEVEL 3		501/E37	HRS	62.6	62.4	3.0	1040	1028	2	Q-FYELD
850898 N LEVEL 3		501/E38	HRS	67.6	65.5	3.1	1035	905	2	Q-FYELD
850899 N LEVEL 3	ANZA (C1015284)	501/E39	HRS	64.3	64.9	3.6	955	992	5	Q-BCRGR
850900 N LEVEL 3		501/E40	HRS	67.9	66.3	3.5	1105	1006	2	
850901 N LEVEL 3		501/E41	HRS	60.0	60.4	1.0	965	990	6	P-MTIME&BCRGR
850902 N LEVEL 3		501/E42	HRS	65.2	63.9	1.9	1070	989	4	P-MTIME&BCRGR
850903 N LEVEL 3		501/E43	HRS	64.4	63.3	1.0	975	907	6	P-MTIME&BCRGR
850904 N LEVEL 3		501/E44	HRS	63.6	63.1	1.4	1085	1054	5	P-MTIME&BCRGR
850905 N LEVEL 3		501/E45	HRS	61.6	63.2	2.6	920	1019	7	Q-PROT&BCRGR
850906 N LEVEL 3		501/E46	HRS	65.0	64.2	1.7	925	875	2	P-MTIME&LVOL
850907 N LEVEL 3		501/E47	HRS	62.0	62.3	3.9	980	999	2	Q-FYELD
850908 N LEVEL 3		501/E48	HRS	59.4	60.4	1.4	895	957	8	

COMMENTS: See "Remarks" for major deficiencies and footnotes for those selections with promising overall quality.

P = Poor Q = Questionable

NURSCO 29

PENDLETON, OR

C.R. ROHDE

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	CODI	CODIC	RMKS
					1/	1/	1/	1/	3/			4/	
850909	STEPHENS	C1017596	SWW	57.1	72.5	0.42	86.9	9.6	50.3	2L	9.04	9.11	
850910	DAWS	C1017419	SWW	59.4	70.4	0.40	85.0	8.6	49.7	3L	9.09	9.05	
850911	HILL 81	C1017954	SWW	57.9	73.2	0.41	88.0	9.3	50.4	1M	9.30	9.33	
850912	CREW	C1017951	CLUB	58.5	72.8	0.40	88.5	8.0	49.0	1L	9.54	9.47	
850913	FARO	C1017590	CLUB	58.6	72.3	0.39	88.6	8.5	50.3	2L	9.41	9.37	
850914	DUSTY	P1486429	SWW	58.9	70.7	0.40	85.9	8.1	50.7	3L	9.44	9.34	
850915	TRES	C1017917	CLUB	59.6	72.5	0.41	87.6	8.2	47.0	1L	9.24	9.19	
850916	TYEE	C1017773	CLUB	57.4	72.5	0.39	88.6	8.2	50.1	3L	9.45	9.39	
850917	KHARKOF	C101442	HRW	58.6	68.5	0.33	86.6	10.3	57.8	2M	8.67	8.78	
850918	SPN//63184-66-71/BEZ	6/ORCW8113	SWW	57.4	72.3	0.40	87.7	8.6	48.8	1L	9.20	9.16	
850919	HYS/YAYLA//63-112-66-4/3/HYS/SF...	6/WW74220F	SWW	57.7	70.3	0.41	84.8	8.9	50.8	2L	9.14	9.13	
850920	HYSLOP/YAYLA//WA4995/3/CERCO.W-1980	6/OR7996	SWW	58.4	70.3	0.40	85.1	7.9	51.0	4L	9.37	9.25	Q-FYELD
850921	FW771545 G02	C1017773	SRW	57.3	68.8	0.37	85.4	8.5	52.1	2L	9.00	8.94	
850922	MCDELMID/ROMANIAN//OR7141.K-83	6/OR8270	SWW	57.0	69.6	0.38	85.8	8.8	51.8	2L	9.13	9.11	
850923	WA4877/V866336//DAWS	6/ORCW8516	SWW	60.4	70.3	0.40	85.2	7.7	52.1	5L	9.16	9.02	
850924	6720-10//YMH/HYS	6/ORCW8519	SWW	57.5	70.5	0.40	85.2	8.6	50.5	2L	9.23	9.19	
850925	TJB 841/1543//WA 5987	6/ORCW8520	SWW	58.6	70.4	0.39	85.8	8.2	51.7	1L	9.12	9.04	
850926	TJB 841/1543//YMH/63-122-66-2	6/RCW8421	SWW	58.2	71.1	0.39	86.9	9.3	51.5	2L	9.07	9.10	
850927	RMN F3-71/TORIM	ORCW8522	SWW	59.9	66.1	0.38	80.8	9.0	50.9	3L	9.17	9.17	P-FYELD
850928	TAST/TORIM	6/ORCW8417	SWW	58.7	71.0	0.37	88.0	8.7	51.5	3L	9.23	9.20	
850929	YMH//HN VII/CD. F1/3/F1(1523/DRC....	5/ORCW8422	SWW	55.8	71.0	0.40	86.1	9.3	50.1	1L	9.30	9.33	
850930	STEPHENS/F7 173438,(M76-479),PW77-16...	5/OR836	SWW	55.4	73.8	0.41	89.2	9.1	48.6	1L	9.59	9.60	
850931	STEPHENS/P1173438,(M76-479),PW77-16...	5/OR8310	SWW	56.4	74.3	0.37	92.4	8.8	49.4	2L	9.56	9.54	
850932	AMIGO/STEPHENS, B-643	6/OR8312	SWW	57.3	71.9	0.39	87.7	8.7	50.1	2L	9.23	9.20	
850933	UNKOWN, 1-607,B32	OR834	HWW	57.5	68.3	0.38	83.9	9.0	54.6	3L	8.62	8.62	P-FYELD&CODI
850934	LEWJAIN	C1017909	SWW	58.5	69.9	0.40	84.5	8.3	51.5	3L	9.37	9.29	
850935	0705 CLEMENT,WINDNG,M-37	OR8324	SWW	56.2	68.8	0.37	85.0	7.9	50.0	1L	9.46	9.34	Q-FYELD
850936	HYSLOP/YAYLA//63-112-66-4/3/OF7065...	OR847	SWW	57.4	68.5	0.38	84.2	9.3	52.8	3L	9.07	9.10	Q-FYELD
850937	HYSLOP/YAYLA//WA4995/ID5012,B-507	6/OR848	SWW	57.9	70.4	0.40	85.2	9.0	51.8	3L	9.22	9.22	
850938	HYSLOP/CERCO. B-310	OR849	SWW	58.8	68.4	0.41	82.3	8.3	52.1	4L	9.02	8.94	Q-FYELD
850939	REW/LUKE SEL. 305	5/OR7794	SWW	59.4	70.7	0.36	87.9	8.5	51.2	2L	9.26	9.20	
850940	MILDRESS/3/YMH//RIEB/WA4995...	6/OR8411	SWW	58.3	70.4	0.36	88.0	8.4	49.9	1L	9.21	9.14	
850941	CERCO/ROMANIAN//STEPHENS.423-3...	6/OR8412	SWW	56.1	70.5	0.38	86.5	8.2	51.2	3L	9.16	9.07	

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 9% Protein.

4/ Observed Values Corrected to 9% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

COMMENTS: Several of these SWW selections have promising overall quality. Noteworthy, are OR836 and OR8310 which have outstanding flour milling and cookie spread properties equal to or better than club wheats. See "Remarks" for deficiencies of those not footnoted as promising.

Q = Questionable; P = Poor

NURSCO 30

PENDLETON, OR

C.R. ROHDE

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	BABS
					1/	1/		1/	3/		
850942	STEPHENS		SWW	55.2	71.1	0.46	82.4	10.4	53.9	2M	
850943	DAWS	C1017596	SWW	57.7	69.0	0.46	79.8	9.6	50.7	3M	
850944	1D0076/3/11-60-157-/WSR//MC	A741140W-5-	HRW	58.4	70.9	0.36	87.8	10.4	58.8	3M	60.9
850945	11-60-157/WRS//1T/3/RGR/6/ATL50/4/R/...	6/A76360W-2	HRW	59.9	70.7	0.39	85.8	10.1	58.2	8M	60.0
850946	BEZ-1//C1013438/BURT/3/RANGER	5/A71243W-3	HRW	59.3	74.2	0.38	89.9	10.8	59.7	4M	61.2
850947	BEZ-1//C1013438/BURT/3/RANGER	A71243W-4	HRW	60.0	73.6	0.38	89.3	10.9	59.8	4M	62.4
850948	UT231-35-1/CLM/4/RN10/BUR//W1/B/...	5/A74242W-33	HRW	58.5	72.1	0.37	88.3	11.2	62.6	4H	64.5
850949	C1014106/MC/3/WPR//K/PI1783883/4/...	A781152W-2	HRW	60.5	69.9	0.42	83.6	10.1	61.8	8M	63.6
850950	HILL 81	C1017954	SWW	56.5	71.1	0.48	81.3	10.8	53.7	2M	
850951	HYSLOP/YAYLA//WA4995/3/CERCO,W-1980	OR7996	SWW	55.2	68.4	0.46	78.9	9.9	55.5	6M	
850952	HN4/4/KT54A/N10B//K754B/3/NAR/5/...	6/OR8320	SWW	57.6	69.7	0.44	81.9	10.8	55.1	3M	
850953	STEPHENS/CAMA//OR765,414-1,K-307	6/OR8313	SRW	54.6	69.6	0.44	81.5	10.0	55.5	5M	
850954	65-116-MBW//63-189-66-7/BEZO	6/OWW72339	SWW	55.6	70.1	0.45	81.6	10.0	54.0	2M	
850955	CERCO/TJB84A/1543,WW76028*-CB120	OR8334	HRW	56.9	67.7	0.41	81.7	10.2	61.1	8M	63.0
850956	AMIGO/STEPHENS,B-643	6/OR8312	SWW	54.6	70.1	0.45	81.5	10.8	53.7	2M	
850957	ND/P101//BB/GLL	6/OROW8424	HWW	58.2	71.6	0.45	83.6	10.2	61.3	4M	63.2
850958	FN771595 G02		SRW	54.4	68.0	0.42	80.7	9.3	53.7	3M	
850959	MCDERMID/ROMANIAN//OR71141.K-83	6/OR8270	SWW	55.5	70.7	0.45	82.4	9.9	54.0	1M	
850960	DUSTY	PI486429	SWW	56.9	70.1	0.48	79.5	9.8	54.4	3M	
850961	HATTON	C1017772	HRW	61.5	71.1	0.40	86.0	10.5	60.5	4M	62.7
850962	F60213-76,MEXCB78241,M-248	OR8315	HRW	57.6	69.5	0.37	85.7	11.4	55.6	1H	57.7
850963	CNO/11A/HN7.MEXCB-78451.-333	OR841	HRW	59.3	69.8	0.42	83.6	10.6	58.9	6M	61.2
850964	67-237-53H/178383.M76-324//WA4826...	6/OR844	SWW	54.7	71.3	0.47	82.1	10.6	52.4	2M	
850965	HYSLOP/YAYLA//63-112-55-4/3/OR7065	OR845	SWW	56.6	67.6	0.41	80.8	9.5	54.5	3L	
850966	HYSLOP/CERCO,B-314	OR846	HWW	58.1	68.2	0.44	80.9	10.5	58.0	4M	60.2
850967	CNN/3/7*LEE//TRANSFER/5/SM4/4/BURT...	175232W-3	HRW	59.8	69.7	0.42	83.1	10.3	59.6	7M	61.6

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 10% Protein.

4/ Observed Values Corrected to 10% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 30

PENDLETON, OR

C.R. ROHDE

LABNUM	VARIETY	IDNO	CLASS	BABSC	MTIME	LVOL	LVOLC	BCRGR	CODI	CODIC	RMKS
				3/			4/			4/	
850942	STEPHENS	C1017596	SWW						9.01	9.06	
850943	DAWS	C1017419	SWW						8.65	8.61	
850944	ID0076/3/11-60-157-/WSR//MC	A74140W-5-	HRW	60.5	2.6	800	775	6	8.47	8.51Q-LVOL&BCRGR	
850945	11-60-157/WRS//IT/3/RGR/6/ATL50/4/R/...	A76360W-2	HRW	59.9	4.4	850	844	5	8.34	8.35Q = to Hatton	
850946	BEZ-1//C1013438/BURT/3/RANGER	A71243W-3	HRW	60.4	2.6	915	865	3	8.66	8.73	
850947	BEZ-1//C1013438/BURT/3/RANGER	A71243W-4	HRW	61.5	2.8	825	769	4	8.61	8.68Q-LVOL	
850948	UT231-35-1/CLM/4/RN10/BUR//W1/B/...	A74242W-33	HRW	63.3	3.3	950	876	2	8.71	8.81	
850949	C1014106/MC/3/WPR//K/PI1783883/4/...	A781152W-2	HRW	63.5	3.6	730	724	8	8.29	8.30P-LVOL&BCRGR	
850950	HILL 81	C1017954	SWW						8.91	9.00	
850951	HYSLOP/YAYLA//WA4995/3/CERCO,W-1980	OR7996	SWW						9.01	9.00Q-FYELD	
850952	HN4/4/KT54A/N10B//K754B/3/NAR/5/...	OR8320	SWW						8.95	9.04	
850953	STEPHENS/CAMA//OR765,414-1,K-307	OR8313	SRW						9.05	9.05	
850954	65-116-MBW//63-189-66-7/BEZO	OWM72339	SWW						8.90	8.90	
850955	CERCO/TJB84A/1543,WM76028*-CB120	OR8334	HRW	62.8	3.5	785	773	6	8.11	8.13P-LVOL Q-BCRGR	
850956	AMIGO/STEPHENS,B-643	OR8312	SWW						9.00	9.09	
850957	ND/P101//BB/GLL	OROW8424	HRW	63.0	2.4	850	838	4	8.47	8.49 = to Hatton	
850958	FN771595 G02	OR8270	SRW						8.97	8.90SRW Q-FYELD	
850959	MCDERMID/ROMANIAN//OR7141.K-83	PI486429	SWW						8.76	8.75Q-CODI	
850960	DUSTY	C1017772	HRW	62.2	2.8	880	849	4	9.15	9.13	
850961	HATTON								8.77	8.81	
850962	F60213-76,MEXCB7824T,M-248	OR8315	HRW	56.3	1.2	705	618	9	8.57	8.69P-MTIME,LVOL&BCRGR	
850963	CNO/11A/HN7.MEXCB-78451.-333	OR841	HRW	60.6	3.6	740	703	8	8.51	8.56P-LVOL&BCRGR	
850964	67-237-53H/178383.M76-324//WA4826...	OR844	SWW						9.05	9.12	
850965	HYSLOP/YAYLA//63-112-55-4/3/OR7065	OR845	SWW	59.7	2.9	740	709	8	9.02	8.97P-FYELD	
850966	HYSLOP/CERCO,B-314	OR846	HRW						8.30	8.34P-LVOL&BCRGR	
850967	GNN/3/7*LEE//TRANSFER/5/SM4/4/BURT...	175232W-3	HRW	61.3	3.9	810	791	6	8.52	8.55Q-LVOL&BCRGR	

COMMENTS: Baking properties of the soft wheats are normal, but the bread baking performance of the hard wheats in this nursery were abnormal as indicated by the performance of Hatton. Several appear to have promise as footnoted. See Remarks for major deficiencies of the other selections.

P = Poor; Q = Questionable

NURSCO 31

MORO, OR

C.R. ROHDE

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	CODI	CODIC RMKS
					1/	1/		1/	3/			4/
850968	STEPHENS	C1017596	SRW	60.7	70.4	0.40	85.1	7.3	50.7	1L	9.51	9.55
850969	OWM, 318, A-612	6/ B-436	SRW	59.0	70.1	0.37	86.9	7.2	50.9	1L	9.42	9.45 Soft Red
850970	ELITE-21, A-820, F-160	6/ B-441	SRW	60.3	68.4	0.35	85.8	7.2	50.4	8L	9.49	9.51 Soft Red
850971	69-132//MCD/CAMA, OWM	70114-1-11W5, F-1429	HRW	58.5	69.5	0.37	85.8	7.5	53.8	2L	8.60	8.64
850972	AMICO/DAWS//ROMANIAN, F-1682	B-632	HRW	61.7	66.4	0.37	82.5	7.4	54.1	8L	8.62	8.66 P-FYELD
850973	65-116//MCD/CAMA, D-11	B-831	SRW	58.6	67.5	0.37	83.5	7.6	49.4	1L	9.26	9.33 P-FYELD
850974	65-116//MCD/CAMA, D-12	6/ B-832	SRW	58.6	68.4	0.37	84.8	7.6	49.4	2L	9.14	9.20 Soft Red
850975	R3655, D-483	6/ B-923	SRW	57.1	71.3	0.39	86.9	6.3	49.8	2L	9.49	9.41 Soft Red
850976	TJB 259/9512, D-587	B-934	HRW	55.5	68.8	0.38	84.3	7.7	52.6	3L	8.85	8.91
850977	TJB 259/9512, D-592	B-934	HRW	56.7	69.1	0.36	85.8	7.3	51.4	2L	8.89	8.91
850978	JOSS CAMBIER, G-30	5/ B-991	SRW	58.2	69.9	0.36	87.4	6.7	48.4	8L	9.56	9.53 Soft Red
850979	CERCO/ROMANIAN//STEPHENS, 432-3, K-233	B-1138	HRW	60.2	66.3	0.36	83.0	7.8	51.9	5L	9.24	9.30 P-FYELD
850980	STEPHENS/CAMA//ID75537, 312-8, K-262	B-1166	SRW	58.5	66.5	0.38	81.7	7.6	50.4	5L	9.02	9.09 P-FYELD
850981	HATTON	C1017772	HRW	65.7	68.7	0.33	86.7	7.2	56.5	6L	8.74	8.75
850982	CERCO/FELIX//WA4876, 564-4, K-100	B-1257	HRW	62.1	67.2	0.35	84.1	7.8	53.3	8L	8.71	8.78 Q-FYELD
850983	CERCO/ROMANIAN//STEPHENS, 432-3, K-316	B-1289	SRW	59.7	67.6	0.37	83.9	7.5	50.1	2L	9.10	9.15 Q-FYELD
850984	STEPHENS/CAMA//OR765, 405-5, K-300	B-1307	HRW	61.9	68.5	0.36	85.2	7.9	51.5	2L	8.67	8.75
850985	CAMA/3/ELGIN//166910/ELGIN, 102-1, K4	B-1309	HRW	60.7	67.3	0.38	82.9	7.7	53.6	4L	8.70	8.76 Q-FYELD
850986	STEPHENS 2*/CAMA, 606-9, K-118	B-1348	HRW	60.5	67.2	0.33	85.2	7.4	52.9	8L	8.96	8.99 Q-FYELD
850987	CHIFTA MCB 1478 M-172	6/ B-1379	SRW	59.3	68.4	0.38	84.1	7.6	50.9	2L	8.99	9.05
850988	MILDRESS/3/YMH//RIEB/WA4995, 71SM232, M-626	B-1423	SRW	60.5	69.7	0.38	86.0	7.0	49.0	1L	9.47	9.47
850989	HILL 81	C1017954	SRW	61.8	72.2	0.34	91.2	7.1	50.4	5L	9.51	9.52
850990	ALCEDO, EAST GERMANY 2901, IWM PN24, M-38	B-1444	HRW	62.7	69.6	0.34	87.1	7.5	55.1	6L	8.60	8.64
850991	55-1744/7C//SWM/ROEB, SWO 730902F-1H-1P-0	B-1544	HRW	62.0	67.1	0.36	83.6	9.0	53.5	2M	8.45	8.61 Q-FYELD
850992	FARO	C1017590	CLUB	60.1	71.2	0.36	88.6	6.3	48.8	1L	9.20	9.15

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 7% Protein.

4/ Observed Values Corrected to 7% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

COMMENTS: Note several of these selections have fair to good overall soft wheat quality but are red in color (See "Class"). The protein was too low to provide meaningful bread tests on the hard wheats, so they are scored only for milling.

P = Poor; Q = Questionable

NURSCO 32

PENDLETON, OR

C.R. ROHDE

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	BABS
						1/		1/	3/		
850993	CRESTONE	C1017858	SWS	57.7	69.9	0.46	80.5	10.0	53.6	2M	
850994	DIRKWIN	C1017745	SWS	55.8	70.0	0.45	81.3	10.1	53.0	2M	
850995	EDWALL	P1477919	SWS	57.6	68.9	0.40	83.1	9.6	52.1	2M	
850996	OWENS	C1017904	SWS	60.4	68.2	0.40	82.8	9.2	54.9	3M	
850997	TWIN	C1014588	SWS	58.1	68.9	0.45	80.2	9.8	51.9	2M	
850998	WAVERLY	C1017911	SWS	59.4	70.0	0.41	84.3	10.2	53.4	3M	
850999	HORK/YMH/KA//BB ORS791432	ORS8413	HWS	59.5	71.5	0.46	82.8	11.0	58.9	4H	61.6
851000	WS-1		SWS	58.6	68.4	0.40	82.8	10.0	57.3	4M	
851001	ABERDEEN SEL.	6/ID0249	SWS	58.4	69.3	0.42	82.6	9.8	53.4	2M	
851002	MCKAY	C1017903	HRS	61.7	70.3	0.35	87.6	10.9	59.1	5H	60.2
851003	PONDERA		HRS	62.2	69.4	0.37	85.7	12.4	63.4	4H	66.5
851004	WAMPUM	C1017691	HRS	58.3	70.2	0.42	83.5	10.9	61.3	6M	62.9
851005	YECORA ROJO	C1017414	HRS	60.0	68.8	0.39	83.7	11.2	61.4	6H	64.3
851006	MINIVET SIB.	ORS8415	HRS	62.6	68.5	0.37	84.5	11.9	63.7	5H	67.3
LABNUM	VARIETY	IDNO	CLASS	BABSC	MTIME	LVOL	LVOLC	BCRGR	CODI	CODIC	RMKS
				3/			4/			4/	
850993	CRESTONE	C1017858	SWS						9.17	9.17	
850994	DIRKWIN	C1017745	SWS						9.04	9.05	
850995	EDWALL	P1477919	SWS						8.96	8.92	
850996	OWENS	C1017904	SWS						9.29	9.20	
850997	TWIN	C1014588	SWS						9.21	9.18	
850998	WAVERLY	C1017911	SWS								
850999	HORK/YMH/KA//BB ORS791432	ORS8413	HWS	60.6	4.1	1000	938	2	8.95	8.97	Good Hard White
851000	WS-1		SWS						8.96	8.96	
851001	ABERDEEN SEL.	ID0249	SWS						9.07	9.05	
851002	MCKAY	C1017903	HRS	59.3	4.2	1030	974	2			
851003	PONDERA		HRS								
851004	WAMPUM	C1017691	HRS	64.1	3.3	1100	951	2			
851005	YECORA ROJO	C1017414	HRS	62.0	3.9	1005	949	2			
851006	MINIVET SIB.	ORS8415	HRS	63.1	5.3	985	911	2			Q-FYELD&LVOL
				65.4	4.5	980	862	2			Q-FYELD&LVOL

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 10% Protein.

4/ Observed Values Corrected to 10% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

COMMENTS: ORS8413 is hard endosperm white wheat with good flour yield and baking properties. The Minivet Sib. had good loaf characteristics, but was low in volume for its protein content.

Q = Questionable.

NURSCO 33

MORO/PENDLETON, OR .

C.R. ROHDE

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/		1/	3/	
851007	WANSER --MORO--	C1013844	HRW	61.7	71.4	0.41	83.5	11.1	60.9	5H
851008	HATTON	C1017772	HRW	63.6	71.5	0.44	81.8	11.1	62.5	5H
851009	F60213-76, MEXCB78241, M-248	OR8315	HRW	59.7	70.0	0.44	79.8	12.5	58.4	1H
851010	STEPHENS/CAMA/70R765, K-300	OR8238	HRW	58.7	70.4	0.46	79.1	11.2	60.6	2H
851011	DISPONET, CB-178, M-139	OR8325	HRW	57.5	70.7	0.48	78.8	10.7	58.2	8M
851012	BEZ A/PRODUC10RE(128-11)/AU...	OR8329	HRW	60.5	70.8	0.44	82.0	11.3	56.1	2M
851013	CNO/INIA/HN7, MECB-78451	OR0841	HRW	61.5	70.9	0.49	78.2	9.6	59.7	6L
851014	HATTON --PENDLETON--	C1017772	HRW	62.1	73.8	0.41	88.2	10.8	60.5	3M
851015	WANSER	C1013844	HRW	60.0	73.7	0.38	89.2	10.5	58.2	6M
851016	REW/CAMA/OR74131, K-271	OR8233	HRW	59.3	72.0	0.38	87.0	9.3	56.3	3L

1/ Observed Values Corrected to 14% Moisture Basis.5/ Particularly Promising Overall Quality Characteristics.3/ Absorption at 14% Moisture Corrected to 11% Protein.6/ Promising Overall Quality Characteristics.4/ Observed Values Corrected to 11% Protein.

NURSCO 33

MORO/PENDLETON, OR.

C.R. ROHDE

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RNIKS
					3/			4/		
851007	WANSER --MORO--	C1013844	HRW	62.7	62.6	4.2	940	934	3	
851008	HATTON	C1017772	HRW	63.8	63.7	3.6	855	849	7	
851009	F60213-76, MEXCB78241, M-248	OR8315	HRW	61.6	60.1	1.5	795	702	8	P-MTIME, LVOL&BCRGR
851010	STEPHENS/CAMA//OR765, K-300	OR8238	HRW	62.5	62.3	2.1	790	778	8	P-MTIME, LVOL&BCRGR
851011	DISPONET, CB-178, M-139	OR8325	HRW	59.6	59.9	3.7	760	779	9	P-LVOL&BCRGR
851012	BEZ A/PRODUCIORE(128-11)/AU...	OR8329	HRW	57.1	56.8	1.2	745	726	9	P-LVOL&BCRGR
851013	CNO/INIA/HN7.MECB-78451	OR0841	HRW	60.0	61.4	4.3	680	767	8	P-LVOL&BCRGR
851014	HATTON --PENDLETON--	C1017772	HRW	60.5	60.7	2.1	875	887	5	
851015	WANSER	C1013844	HRW	59.4	59.9	3.5	840	875	5	
851016	REW/CAMA/OR74131, K-271	OR8233	HRW	55.3	57.0	2.4	765	870	8	P-LVOL&BCRGR

COMMENTS: Baking qualities of these materials were abnormal as shown by the check varieties. However, in comparison with these checks the experimental selections were much poorer, indicating a difference in inherent quality.

P = Poor

NURSCO 34

PENDLETON/MORO, OR

C.R. ROHDE

LABNUM	VARIETY	IDNO	CLASS	TWI	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/		1/	3/	
851017	ELGIN --PENDLETON--	C1011755	CLUB	59.8	74.9	0.41	88.9	10.0	52.9	2M
851018	STEPHENS	C1017596	SWW	57.1	74.4	0.41	86.0	10.5	53.7	2M
851019	HYSLOP/CERCO.H-308	OR0843	SWW	57.0	72.3	0.47	80.1	10.5	55.4	3M
851020	HYSLOP/CERCO.B-307	OR0842	SWW	59.0	71.4	0.45	80.6	10.2	56.2	4M
851021	HYSLOP/YAYLA//63-112-66-4/3/OR7065	OR0845	SWW	57.7	70.6	0.39	82.0	9.8	53.6	3M
851022	MILDRESS/3/YMH//RIEB/WA4995	5/OWW70094	SWW	59.2	76.5	0.40	91.9	10.3	53.6	3L
851023	ND/P101//BB/GLL	6/ORCW8424	SWW	59.4	75.1	0.45	86.0	10.8	58.3	2H
851024	HYSLOP/YAYLA//63-112-66-4/3/HYS...	OWW74220F	SWW	57.5	71.8	0.43	82.0	10.4	55.7	3M
851025	HYSLOP/CERCO.B-314	OR0846	SWW	59.6	72.1	0.45	81.6	10.9	56.4	3M
851026	65-116-MBW//63-189-66-7/BEZO	6/OWW72339	SWW	57.9	73.1	0.42	84.0	9.9	56.4	2M
851027	ELGIN --MORO--	C1011755	CLUB	60.3	74.0	0.45	84.0	9.7	52.1	1M
851028	STEPHENS	C1017569	SWW	58.2	72.0	0.48	77.5	10.7	54.5	3M
851029	CERCO/ROMANIAN//STEPHENS,423-2...	OR8314	SWW	59.7	71.5	0.49	76.3	10.0	58.4	4M
851030	67-237-53H/178383.M76-324//...	OR0844	SWW	57.4	71.2	0.45	78.6	10.5	54.4	3M

LABNUM	VARIETY	IDNO	CLASS	CODI	CODIC	CAVOL	SCSOR	WTIN	NOSCO	RMKS
					4/					
851017	ELGIN --PENDLETON--	C1011755	CLUB	9.02	9.02	1290	75.0	376	66	
851018	STEPHENS	C1017596	SWW	8.97	9.03	1280	77.0	363	66	
851019	HYSLOP/CERCO.H-308	OR0843	SWW	7.86	7.92	1060	59.0	349	64	P-CODI,CAVOL&SCSOR
851020	HYSLOP/CERCO.B-307	OR0842	SWW	8.09	8.11	1140	63.0	356	64	P-CODI,CAVOL&SCSOR
851021	HYSLOP/YAYLA//63-112-66-4/3/OR7065	OR0845	SWW	8.70	8.68	1260	77.0	355	62	P-Q-FYELD
851022	MILDRESS/3/YMH//RIEB/WA4995	OWW70094	SWW	9.27	9.31	1280	76.0	356	65	
851023	ND/P101//BB/GLL	ORCW8424	SWW	8.02	8.11	1180	67.0	353	65	P-CODI&SCSOR
851024	HYSLOP/YAYLA//63-112-66-4/3/HYS...	OWW74220F	SWW	8.84	8.88	1240	72.0	353	65	Q-FYELD
851025	HYSLOP/CERCO.B-314	OR0846	SWW	8.05	8.15	1185	65.0	350	63	P-CODI&SCSOR
851026	65-116-MBW//63-189-66-7/BEZO	OWW72339	SWW	8.82	8.81	1335	79.0	362	66	
851027	ELGIN --MORO--	C1011755	CLUB	8.94	8.90	1295	78.0	362	75	
851028	STEPHENS	C1017569	SWW	8.61	8.69	1075	59.0	333	64	P-SPONGE CAKE
851029	CERCO/ROMANIAN//STEPHENS,423-2...	OR8314	SWW	7.91	7.91	1265	72.0	336	65	P-CODI
851030	67-237-53H/178383.M76-324//...	OR0844	SWW	8.91	8.97	1220	68.0	341	64	Q-MSCOR

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 10% Protein.

4/ Observed Values Corrected to 10% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

COMMENTS: The material from Moro Experiment Station appears questionable because of the abnormal performance of Stephens in both cookie and cake baking. The 8314 selection appears poorer than Stephens in cookie spread, while 844 is better in both cookie and cake baking.

P = Poor; Q = Questionable

NURSCO 35

HOOPER, WA

H.D. JACQUOT

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC
851031 OMAR		C1013072	CLUB	57.7	74.0	0.43	85.6	11.8	50.6
851032 JACMAR		WA6585	CLUB	55.2	72.0	0.42	82.1	10.3	53.1
851033		SN-288-84	CLUB	55.7	69.6	0.42	78.4	11.2	47.5
851034		5/ SN-380-84	CLUB	56.9	73.7	0.43	84.5	9.9	52.6
851035		SN-215-84	CLUB	55.2	73.8	0.45	82.4	10.7	50.6

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 10% Protein.

4/ Observed Values Corrected to 10% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

LABNUM	VARIETY	IDNO	CLASS	MTYPE	CODI	CODIC	CAVOL	SCSOR	RMKS
851031 OMAR		C1013072	CLUB	1H	9.14	9.20	1320	81.0	
851032 JACMAR		WA6585	CLUB	2H	9.39	9.34	1325	82.0	
851033		SN-288-84	CLUB	1H	8.87	8.89	1340	81.0	Q-FYELD
851034		SN-380-84	CLUB	2H	9.20	9.12	1285	80.0	
851035		SN-215-84	CLUB	1H	8.62	8.60	1260	76.0	P-CODI&SCSOR

COMMENTS: SN-288-84 is questionable in traditional club wheat milling properties, but was excellent in baking. SN-380-84 is outstanding in aspects. SN-215-84 is quite poor in both cookie spread, cake volume and score.

Q = Questionable; P = Poor

NURSCO 36

CANADA

M. S. KALDY

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	CODI	CODIC	CAVOL	SCSOR
					1/	1/	1/	1/	3/			4/		
851036	COMMON LOT, ELLISON M.CO. ONTARIO T#7		SWM	61.2	73.6	0.44	84.2	7.7	54.7	4L	9.15	9.01	1275	77.0
851037	COMMON LOT, ELLISON M.CO. ONTARIO T#8		SWM	61.5	70.5	0.43	80.6	8.0	55.5	3L	9.41	9.30	1325	79.0
851038	FREDRICK 1982 OTTAWA, ONT.		SWM	64.5	73.1	0.41	84.9	9.0	55.1	3M	9.05	9.05	1245	70.0
851039	FREDRICK 1983 OTTAWA, ONT.		SWM	61.6	72.1	0.40	84.8	7.2	56.1	5L	9.25	9.05	1290	75.0
851040	FREDRICK 1984 OTTAWA, ONT.		SWM	62.9	73.1	0.42	84.2	8.4	55.4	3L	9.19	9.12	1295	79.0
851041	ELLISON CO.ELV. BULK SAMPLE LOW PRO 1984		SWS	62.9	70.5	0.38	81.9	8.3	53.8	2M	8.92	8.85	1260	77.0
851042	ELLISON CO.ELV. BULK SAMPLE HI PRO 1984		SWS	62.3	72.4	0.41	83.9	9.2	52.0	2M	9.11	9.13	1235	73.0
851043	MILK RIVER, UGG #1 1984		SWS	61.2	70.8	0.39	81.8	10.1	55.6	2M	8.51	8.63	1175	68.0
851044	LAVOY, HUCULAK 1984		SWS	57.3	70.4	0.31	84.8	8.6	50.1	2M	9.25	9.21	1135	57.0
851045	ROCKYFORD, MILLER #1 1984		SWS	56.6	68.5	0.40	76.9	9.1	51.9	2M	8.90	8.91	1205	67.0
851046	ROCKYFORD, HENKE 1984		SWS	62.7	71.8	0.39	83.2	9.4	55.4	3M	8.62	8.67	1250	76.0
851047	DRUMHELLER, GRENIER #1 1984		SWS	63.2	70.9	0.36	84.7	8.5	56.5	2M	8.89	8.83	1250	77.0
851048	ARROWWOOD, JACOBSON 1984		SWS	64.1	65.1	0.36	74.4	7.5	57.9	2M	9.06	8.90	1270	78.0
851049	COALDALE, UNGER #1 1983		SWS	62.2	69.1	0.38	80.6	9.3	57.0	2M	8.81	8.85	1180	67.0
851050	COALDALE, UNGER #2 1983		SWS	62.0	69.4	0.40	78.9	9.3	56.2	2M	8.79	8.82	1165	65.0
851051	SUNNYSIDE, WARKENTIN #2 1984		SWS	61.5	70.1	0.41	79.6	8.9	54.7	2M	8.97	8.96	1250	76.0
851052	BOW ISL, PRUDEK FIELDER 1984		SWS	62.8	69.8	0.41	80.5	7.7	54.3	1L	9.06	8.92	1225	73.0
851053	BOW ISL, PRUDEK OWENS 1984		SWS	61.8	71.7	0.40	82.3	7.5	55.0	2L	9.04	8.87	1260	78.0
851054	BOW ISL, PRUDEK DIRKWIN 1984		SWS	59.3	71.3	0.43	80.3	8.3	51.6	2M	8.89	8.81	1205	71.0
851055	BURDETT, SMITH FIELDER 1984		SWS	61.2	68.1	0.43	72.8	9.4	54.4	2M	8.76	8.81	1160	65.0

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Basis Corrected to 9% Protein.

4/ Observed Values Corrected to 9% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

COMMENTS: These wheats were evaluated in cooperation with the Agriculture Canada, Plant Science Section, at Lethbridge, Alberta, Research Station. Objectives were to determine quantitative differences between soft white wheat grown in eastern Canada and the western area. Industry have been critical of western grown soft white wheats quality. Results substantiate such differences. The results will be published with other supporting data.

NURSCO 37

TETONIA, ID

D.W. SUNDERMAN

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/		1/	3/	
851056	MCKAY	C1017903	HRS	62.4	70.8	0.29	91.3	12.5	64.7	2H
851057	SAWTELL/3/MC/BJ066//MEX.19957-18M-1Y-3M-	ID0236	HRS	62.0	69.5	0.33	87.9	14.5	68.5	6H
851058	BRH/3/11-60-101//TZPP/SN64/4/ID0042//	ID0271	HRS	62.0	69.9	0.32	88.8	13.3	69.9	5H
851059	ID0134//ID0064/ID0042	ID0273	HRS	62.4	66.0	0.32	84.8	14.9	69.1	5H
851060	A71372S-15-3/A71388S-1-2	ID0287	HRS	62.8	64.2	0.29	84.5	13.8	69.5	5H
851061	MRN/TBR66//ID0107/3/ID0153	ID0290	HRS	63.4	66.7	0.28	87.5	14.8	67.6	2H
851062	BORAH//BORAH/BB S' RESELECTION	ID0291	HRS	61.6	67.5	0.28	88.2	13.3	66.7	2H
851063	BORAH	C1017267	HRS	60.8	68.0	0.29	88.3	13.8	65.2	2H
851064	906R		HRS	62.4	65.6	0.32	84.0	14.5	66.9	5H
851065	PONDERA		HRS	62.0	68.1	0.33	86.4	14.7	68.4	4H
851066		ID0307	HRS	61.6	70.2	0.36	87.1	14.1	64.4	2H

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
851056	MCKAY	C1017903	HRS	62.9	64.4	2.3	980	1073	2	
851057	SAWTELL/3/MC/BJ066//MEX.19957-18M-1Y-3M-	ID0236	HRS	71.7	71.2	6.2	1100	1069	2	
851058	BRH/3/11-60-101//TZPP/SN64/4/ID0042//	ID0271	HRS	72.4	73.1	5.6	1110	1153	2	
851059	ID0134//ID0064/ID0042	ID0273	HRS	72.7	71.8	4.8	1060	1004	2	Q-FYELD&LVOL
851060	A71372S-15-3/A71388S-1-2	ID0287	HRS	73.0	73.2	5.1	965	977	2	Q-FYELD&LVOL
851061	MRN/TBR66//ID0107/3/ID0153	ID0290	HRS	70.1	69.3	2.2	1100	1050	2	Q-FYELD,MTIME
851062	BORAH//BORAH/BB S' RESELECTION	ID0291	HRS	68.2	68.9	2.1	1040	1083	3	Q-FYELD&MTIME
851063	BORAH	C1017267	HRS	66.7	66.9	2.0	1050	1062	2	
851064	906R		HRS	70.1	69.6	3.2	1075	1044	1	
851065	PONDERA		HRS	71.8	71.1	2.6	1155	1112	2	
851066		ID0307	HRS	65.2	65.1	1.7	1015	1009	3	P-MTIME, Q-BCRGR

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 14% Protein.

4/ Observed Values Corrected to 14% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

COMMENTS: All samples (including check varieties) had about 1% green immature kernels. Flour yields were below average and atypical.
P = Poor; Q = Questionable

NURSCO 38

TETONIA, ID

D.W. SUNDERMAN

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	CODI
851067 OWENS		C1017904	SWS	62.0	63.3	0.34	80.2	11.1	57.8	1H	9.24
851068 WAVERLY		C1017911	SWS	60.8	64.4	0.34	81.2	11.7	60.6	2H	8.82
851069		WA6920	SWS	60.8	61.2	0.38	74.6	10.6	59.7	3M	8.74
851070 FLR/5/6*TWIN/4/ID0020/3/SN/FR//LMH66		6/ID0249	SWS	62.4	64.4	0.36	80.3	11.7	59.8	1H	8.94
851071 ID0118/OASIS/3/5*TWIN/ID0021//PI227196/5/ID0232		5/ID0232	SWS	61.2	65.7	0.38	80.7	12.6	59.5	1H	9.21
851072 ID0046/ID0053//FIELDWIN		6/ID0266	SWS	63.6	67.2	0.31	86.8	11.3	59.5	1H	9.02
851073 ID0182/FIELDWIN		5/ID0285	SWS	63.2	66.4	0.34	83.8	11.6	59.8	2M	8.89
851074 ID0083/3/LMH66/9138E-6Y-2C-2Y-2C/ID0046		ID0286	HWS	60.8	69.0	0.31	88.1	13.1	65.7	5H	8.27
851075 ID0046/5/A6535S-443-101/3/A63166S-A-4-		8/ID018151	SWS	61.6	62.9	0.33	80.1	11.8	61.3	1H	8.90
851076 BLISS		ID0172	SWS	62.0	64.8	0.38	79.6	11.5	60.9	1H	9.00

LABNUM	VARIETY	IDNO	CLASS	CODIC	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
851067 OWENS		C1017904	SWS	9.14					4/		
851068 WAVERLY		C1017911	SWS	8.79							
851069		WA6920	SWS	8.58							
851070 FLR/5/6*TWIN/4/ID0020/3/SN/FR//LMH66		ID0249	SWS	8.90							
851071 ID0118/OASIS/3/5*TWIN/ID0021//PI227196/5/ID0232		ID0232	SWS	9.28							
851072 ID0046/ID0053//FIELDWIN		ID0266	SWS	8.95							
851073 ID0182/FIELDWIN		ID0285	SWS	8.84							
851074 ID0083/3/LMH66/9138E-6Y-2C-2Y-2C/ID0046		ID0286	HWS	8.36							
851075 ID0046/5/A6535S-443-101/3/A63166S-A-4-		ID018151	SWS	8.88	68.5	67.4	4.3	985	917	2	
851076 BLISS		ID0172	SWS	8.94							

P-FYELD&CODI

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 12% Protein.

4/ Observed Values Corrected to 12% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

COMMENTS: All of these including the check varieties had approximately 1% green immature kernels. All were 6-7% low in flour yield. Judgement was based on performance of the check varieties. Selection ID 286 has hard endosperm and higher protein than others by 1-2%.

NURSCO 39

TWIN FALLS, ID

D.W. SUNDERMAN

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						<u>1/</u>		<u>1/</u>	<u>3/</u>	
851077 BORAH		C117267	HRS	62.0	72.2	0.42	85.7	11.7	63.8	4H
851078 906R			<u>6</u> /HRS	62.4	70.5	0.41	84.6	12.7	63.5	5H
851079 PONDERA			<u>6</u> /HRS	64.0	69.7	0.40	84.3	12.2	64.2	4H
851080		ID0307	<u>6</u> /HRS	60.8	71.5	0.44	83.9	11.3	62.6	6M
LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					<u>3/</u>			<u>4/</u>		
851077 BORAH		C117267	HRS	64.2	64.5	2.8	1000	1019	2	
851078 906R			HRS	65.9	65.2	4.2	1040	997	2	
851079 PONDERA			HRS	66.1	65.9	3.3	1125	1113	2	Some Quest. FYELD
851080		ID0307	HRS	62.6	63.3	3.2	965	1008	2	

1/ Observed Values Corrected to 14% Moisture Basis.3/ Absorption at 14% Moisture Corrected to 12% Protein.4/ Observed Values Corrected to 12% Protein.5/ Particularly Promising Overall Quality Characteristics.6/ Promising Overall Quality Characteristics.

COMMENTS: Pondera has outstanding baking quality. 906R and ID307 are about equal to Borah.

NURSCO 40

ABERDEEN, ID

D.W. SUNDERMAN

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						<u>1/</u>		<u>1/</u>	<u>3/</u>	
851081 MANNING		C1017846	HRW	60.8	69.6	0.38	85.4	10.9	63.4	5H
851082 JEFF		C1017270	HRW	64.4	72.1	0.34	90.0	12.8	65.2	2H
851083 WESTON		C1017727	HRW	64.8	70.5	0.34	88.3	12.3	65.9	2H
851084 ATL50/4/R/R//2*CNN/3/4TK/5/SM4/4/BURT/3/		A75253W-106/	HRW	61.6	72.2	0.39	87.5	12.6	65.8	3H
851085 RGR/3/11-60-157//MC//MRN/4/11-60-156/		A781108W	HRW	63.6	70.1	0.31	89.2	13.2	63.3	2H
851086 ATL50/4/R/R//2*CNN/3/4TK/4/2*1T/UT175A-		A76212W-A-6/	HRW	60.4	70.1	0.41	84.0	12.9	64.4	3H
LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					<u>3/</u>			<u>4/</u>		
851081 MANNING		C1017846	HRW	64.0	65.1	3.5	980	1048	3	
851082 JEFF		C1017270	HRW	66.7	65.9	2.4	1050	1000	4	
851083 WESTON		C1017727	HRW	65.9	65.6	1.2	1025	1006	3	
851084 ATL50/4/R/R//2*CNN/3/4TK/5/SM4/4/BURT/3/		A75253W-10	HRW	66.1	65.5	2.5	980	943	2	
851085 RGR/3/11-60-157//MC//MRN/4/11-60-156/		A781108W	HRW	64.2	63.0	1.5	980	906	3	P-MTIME, LVOL
851086 ATL50/4/R/R//2*CNN/3/4TK/4/2*1T/UT175A-		A76212W-A-	HRW	65.5	64.6	3.3	1050	994	2	

1/ Observed Values Corrected to 14% Moisture Basis.3/ Absorption at 14% Moisture Corrected to 12% Protein.4/ Observed Values Corrected to 12% Protein.

P = Poor

5/ Particularly Promising Overall Quality Characteristics.6/ Promising Overall Quality Characteristics.

USDA, SEA AR
WESTERN WHEAT QUALITY LAB.
PULMAN, WA.

WESTERN REGIONAL SOFT WHITE WINTER

OR, WA

NURSCO 41

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH 1/	MSCOR	FPROT 1/	MABSC 3/	MTYPE	VISC	VISCC
851087	KHARKOF	C1001442	HRW	62.0	69.3	0.40	81.5	12.3	63.1	3H	302	248
851088	ELGIN	C1011755	CLUB	61.5	74.9	0.43	86.0	11.1	51.9	1H	84	83
851089	MORO	C1013740	CLUB	61.1	74.5	0.43	85.2	11.0	54.1	2M	107	107
851090	NUGAINES	C1013968	SWW	63.4	70.8	0.39	81.7	10.6	56.7	2H	145	155
851091	STEPHENS	C1017596	SWW	59.6	72.6	0.39	85.1	10.8	56.7	2M	88	91
851092	TRES (WA6698)	C1017917	CLUB	61.9	73.9	0.42	85.0	10.5	50.7	1M	52	56
851093	BVR/C115923/NGS, VH074575	6/ WA6912	SWW	61.1	72.9	0.44	81.8	10.5	57.5	3M	93	102
851094	SPN//63189-66-71/BEZ	5/ ORCW8113	SWW	60.7	71.0	0.39	81.7	10.7	56.9	2M	91	96
851095	HYS/YAYLA//WA4995/3/CERCO, W-1980	OR7996	SWW	59.5	72.0	0.42	82.2	10.9	60.6	4M	127	129
851096	PHOENIX, WN33	C1017962	HWW	62.7	71.9	0.40	83.6	11.5	61.6	2H	192	177
851097	7C/CNO//CAL/3/YMH	6/ ORCW8314	SWW	59.9	72.6	0.41	82.5	10.4	58.0	2M	92	102
851098	1523/DC DWF//RBS, F1/3/WA5989	ORCW8318	SWW	59.0	71.2	0.41	81.2	11.4	57.9	2H	138	130
851099	CERCO/RAEDER, VJ08146	5/ WA7168	SWW	59.6	72.8	0.41	84.5	11.1	61.2	3M	115	113
851100	VH74340, C114484/66344//LUKE/3/NCO	6/ WA7169	SWW	59.1	72.3	0.40	83.7	10.3	59.8	3M	123	139
851101	VPM/MOS951//2*OR68007	6/ WA7163	SWW	59.7	73.5	0.43	83.7	11.6	59.1	2M	110	100
851102	VPM/MOS421//2*RAEDER	6/ WA7165	SWW	61.4	71.6	0.37	84.8	10.8	60.9	3M	214	221
851103	VPM/MOS421//2*TYEE	5/ WA7166	CLUB	60.3	73.4	0.40	86.0	10.7	60.5	4M	180	189
851104	ROMANIA FONDEA 12-71/JUP	01765784	SWW	61.6	68.8	0.45	76.2	11.9	59.6	3M	203	177
851105	RDL/SU92//KALIAN/BB	6/ 01754022	SWW	59.0	72.7	0.42	83.1	11.3	59.3	2M	138	132
851106	MNIM//KAL/BB	01754989	HWW	62.1	66.3	0.44	74.2	11.5	63.8	3H	215	198
851107	76/WS052/DAWS, VH082098	WA7215	HWW	61.5	69.9	0.43	78.2	10.2	62.3	4H	140	161
851108	V77254, OASIS/WA6362/WA6242, VH083572	WA7216	SWW	60.2	70.0	0.42	79.0	10.5	58.3	3M	194	212
851109	VPM/MOS951//2*BRB	6/ WA7217	CLUB	60.7	72.8	0.41	83.4	11.3	59.1	1M	126	120
851110	VPM/MOS421//RDR	WA7218	SWW	59.7	69.3	0.42	77.8	11.0	60.1	3M	146	146
851111	MORO//C113645/2*CH/AE/PN/2*OMAR	6/ WA7219	CLUB	60.6	72.1	0.42	82.7	10.3	57.7	2M	109	124
851112	ND/P101//BB/GLL	6/ ORCW8423	SWW	61.6	74.1	0.39	87.4	11.0	58.7	3M	140	140
851113	TJB841/1543//YMH/63-122-66-2	5/ ORCW8421	SWW	59.6	71.5	0.39	83.1	10.9	59.7	2M	148	150
851114	MCD/ROMANIAN//JDR7141, K-83	OR8270	SWW	58.6	70.1	0.41	78.5	10.8	59.5	2M	100	103
851115	PI73438(M76-479)B-750	5/ OR836	SWW	58.7	71.2	0.40	85.8	11.0	59.1	2M	94	94

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 11% Protein.

4/ Observed Values Corrected to 11% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 41 OR, WA

LABNUM	VARIETY	IDNO	CLASS	CODI	CODIC	CAVOL	SCSOR	WTIN	NOSCO	RMKS	RMKS
					4/						
851087	KHARKOF	C1001442	HW	7.94	8.04						
851088	ELGIN	C1011755	CLUB	8.87	8.88	1285	79.0	396			
851089	MORO	C1013740	CLUB	8.81	8.81	1280	78.0	388			78
851090	NUGAINES	C1013968	SWW	8.66	8.62	1180	68.0	368			72
851091	STIEPHENS	C1017596	SWW	8.70	8.68	1220	73.0	379			75
											70
851092	TRES (WA6698)	C1017917	CLUB	9.04	9.00	1225	70.0	381			76
851093	BVR/C115923/NGS, VH074575	WA6912	SWW	8.94	8.88	1215	74.0	371			72
851094	SPN//63189-66-71/BEZ	ORCW8113	SWW	8.67	8.64	1305	78.0	371			74
851095	HY5/YAYLA//WA4995/3/CERCO, W-1980	OR7996	SWW	8.70	8.69	1250	68.0	367			71
851096	PHOENIX, W433	C1017962	HW	8.09	8.13						P-SCSOR, Q-NOSCO Hard
851097	7C/CNO//CAL/3/YMH	ORCW8314	SWW	8.46	8.40	1285	76.0	384			Q-P-CODI
851098	1523/DC DWE//RBS, F1/3/WA5989	ORCW8318	SWW	8.52	8.57	1285	73.0	374			Q-CODI, SCSOR&NOSCO
851099	CERCO/RAEDER, VJ08146	WA7168	SWW	8.84	8.85	1345	83.0	379			76
851100	VH74340, C114484/66344//LUKE/3/NCO	WA7169	SWW	8.79	8.71	1315	81.0	371			75
851101	VPM/MOS951//2*OR68007	WA7163	SWW	8.84	8.90	1270	76.0	383			73 Q-NOSCO
851102	VPM/MOS421//2*RAEDER	WA7165	SWW	8.69	8.67	1295	77.0	369			75 Q-CODI
851103	VPM/MOS421//2*TYEE	WA7166	CLUB	8.82	8.80	1265	71.0	352			71 Q-SCSOR&NOSCO
851104	ROMANIA FONDEA 12-71/JUP	O1765784	SWW	8.15	8.25	1200	71.0	353			67 P-FYELD, CODI&NOSCO
851105	RDL/SU92//KALIAN/BB	O1754022	SWW	8.80	8.83	1240	74.0	362			70 Q-NOSCO
851106	MNIM//KAL/BB	O1754989	HW	7.71	7.75						Hard - P-FYELD&CODI
851107	76/WS052/DAWS, VH082098	WA7215	HW	7.65	7.59						Hard - P-FYELD&CODI
851108	V77254, OASIS/WA6362/WA6242, VH083572	WA7216	SWW	8.52	8.47	1270	75.0	356			72 Q-FYELD, CODI&NOSCO
851109	VPM/MOS951//2*BRB	WA7217	CLUB	8.74	8.77	1285	76.0	390			70 Q-NOSCO
851110	VPM/MOS421//RDR	WA7218	SWW	8.85	8.85	1260	86.0	364			71 P-FYELD, Excellent SCSOR
851111	MORO//C113645/2*CH/AE/PN/2*OMAR	WA7219	CLUB	8.82	8.78	1285	80.0	366			72 Q-NOSCO
851112	ND/P101//BB/GLL	ORCW8423	SWW	8.66	8.66	1210	77.0	350			71 Q-NOSCO
851113	TJB841/1543//YMH/63-122-66-2	ORCW8421	SWW	8.69	8.68	1230	77.0	371			75
851114	MCD/ROMANIAN//OR7141, K-83	OR8270	SWW	8.31	8.29	1145	67.0	364			68 P-CODI, SCSO&NOSCO
851115	P173438(M76-479)B-750	OR836	SWW	8.94	8.94	1250	78.0	385			71 Q-NOSCO

COMMENTS: Equal amounts of seed was composited from nurseries grown at Ritzville and Lind, WA, and Pendleton and Moro, OR. The protein level of the flour averaged 11%, but as in other tests of 85 crop soft white wheats, the baking properties did not reflect the 2-3% higher than normal protein. Note hard kernal texture of O1754989 and WA7215. The hard whites were tested for bread baking, but all were very poor. See "Remarks" column for deficiencies and some questionable properties.

P = Poor; Q = Questionable

ID, MT, OR, WA

NURSCO 42

LABNUM	VARIETY	IDNO	CLASS	TWT	YIELD	FASH	MSCOR	FPROT	MABSC	MTYPE	FABS	FPEAK
						1/		1/	3/			
851116 KHARKOF		C1001442	HRW	60.0	69.5	0.41	80.9	12.8	60.8	2H	67.1	5.4
851117 WANSER		C1013844	HRW	61.6	72.7	0.39	86.7	11.8	63.3	4H	66.4	10.4
851118 ID5012/WA5866		WA6816	HRW	58.4	72.7	0.40	85.4	11.6	62.6	2H	68.7	4.5
851119 ALBA/GNS//FN/SONORA 64		ORCR81077	HRW	60.9	70.2	0.41	81.9	11.8	62.9	2H	69.2	5.9
851120 JFFF/3/11-60-155/C14106//MC, A7389W-338-1		ID0259 6/	HRW	61.9	70.4	0.39	83.2	12.2	64.4	4H	71.4	15.0
851121 BURT/C112929//DLM/4/NBR//NRN10/BVR/CNN/		ID0261 6/	HRW	60.6	71.4	0.41	83.5	11.3	63.4	5H	67.9	15.8
851122 GWB127/GW8236-7/STURDY		WA6820	HRW	60.0	71.9	0.40	84.0	11.8	61.0	6M	64.5	8.4
851123 11-60-155/2*C1407//RGR		ID0280 6/	HRW	61.7	71.5	0.38	84.7	12.3	63.7	4H	67.7	9.6
851124 HNL//C114106/CLM//MC		ID0281	HRW	60.5	71.8	0.39	83.3	11.9	62.1	5H	67.2	13.9
851125 HGL/ID5006/3/C114106/CLM//MC/4/C114106/		ID0282	HRW	61.4	72.6	0.38	86.3	11.5	60.5	4H	65.7	8.8
851126 ATL50/4/R/R//2*CNN/3/4TK/5/SM4/4/BURT/		ID0283 5/	HRW	60.4	72.1	0.39	85.6	11.7	61.8	4H	65.0	13.2
851127 C113438/BURT//SM7437/3/CER/4/PI173467/		WA7171 6/	HRW	61.2	72.8	0.42	85.1	11.2	63.3	4H	67.0	10.3
851128 C113438/BURT//SM7437/3/CER/4/PI167822/		WA7172	HRW	61.3	69.7	0.44	78.9	11.1	60.9	4M	67.0	5.8
851129 PROBSTORER-EXTREM/TOB66		ORCR8313	HRW	61.4	72.0	0.42	83.2	11.1	64.5	5H	67.8	17.8
851130 7C/KAVKAZ//NORD		O1730875	SRW	59.5	69.2	0.39	79.4	10.8	57.9	2M	64.8	3.5
851131 OR-ID SEL. F60213-76		O1602137	HRW	59.8	70.5	0.41	82.6	12.3	60.6	1H	69.7	4.1
851132 REDWIN		MT7877	HRW	61.8	72.2	0.41	84.0	11.4	60.9	4M	67.3	9.5
851133 REDWIN SEL.		MT8003 6/	HRW	61.5	70.1	0.38	81.5	12.1	62.9	4M	65.6	9.6
851134 WRR/C113837//PI1783438/HNL		UT132534	HRW	59.3	72.0	0.40	83.9	11.5	62.2	4M	66.7	8.1
851135 HANSEL/ARBON		UT146111	HRW	58.8	72.5	0.40	85.4	11.7	62.9	6M	67.2	11.8
851136 HANSEL/ARBON		UT146120	HRW	59.2	72.7	0.38	86.4	11.6	62.8	6M	67.6	10.8
851137 HANSEL/ARBON		UT146122 6/	HRW	60.5	73.3	0.40	87.0	11.6	64.3	5H	67.0	13.4
851138 A68203W-E-1-3-3/A68203W-1-6-1		ID0297 6/	HRW	62.3	74.5	0.40	89.0	12.1	62.9	4H	67.2	10.8
851139 21T65 OR 2CINN OR 2MC/C114107 OR C114106/		ID0298	HRW	63.3	73.2	0.41	86.8	11.4	62.5	4M	67.1	8.3
851140 SNOWMOLD TOLERANT BULK SEL.		ID0299	HRW	62.2	72.7	0.39	86.4	11.5	62.8	3H	68.1	7.7
851141 ARBON/3/DM/CLM//BURT/PI178383		ID0300 6/	HRW	61.1	73.4	0.38	87.9	11.4	63.6	4H	67.3	12.1
851142 HGL/ID5006/4/11-60-156/C114107/1T/3/		ID0301 6/	HRW	60.9	72.5	0.41	84.9	11.5	63.6	4H	66.1	10.0
851143 ARBON/3/DM/CLM//BURT/PI178383		ID0302 6/	HRW	60.8	71.6	0.40	85.0	11.8	63.2	6M	68.1	11.0
851144 21T65 OR 2CINN OR 2MC/C114107 OR C114106/		ID0284 6/	HRW	61.8	72.1	0.39	84.9	11.4	62.9	4H	67.8	11.8
851145 WA5514/1TANA//GERCO, N8201908		WA7269 6/	HRW	61.2	72.4	0.41	85.2	11.7	64.1	5H	67.1	22.4
851146 REA SEL. 62/ID92, N8202503		WA7270 6/	HRW	60.6	71.6	0.41	84.5	12.0	63.4	5H	67.6	18.9
851147 MARNE DESPREZ/COLOTANA//PICH		ORCR8320 6/	HRW	60.9	72.5	0.39	85.8	12.2	62.6	4H	66.9	13.1

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 12% Protein.

4/ Observed Values Corrected to 12% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 42

ID, MT, OR, WA

LABNUM	VARIETY	IDNO	CLASS	FTAB	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
						3/			4/		
851116 KHARKOF		C1001442	HRW	5.7	63.8	63.0	2.1	1005	959	3	
851117 WANSER		C1013844	HRW	13.4	65.3	65.5	3.7	1005	1019	2	
851118 ID5012/WA5866		WA6816	HRW	8.8	63.4	63.8	1.9	975	1000	6	P-MTIME&BCRGR
851119 ALBA/GNS//FN/SONORA 64		ORCR81077	HRW	6.2	64.4	64.6	2.4	940	952	2	Q-FYELD&LVOL
851120 JEFF/3/11-60-155/C14106//MC,A7389W-338-1		ID0259	HRW	16.4	66.3	66.1	3.5	1035	1023	2	Q-FYELD
851121 BURT/C112929//DLM/4/NBR//NRN10/BVR/CNN/		ID0261	HRW	14.2	65.9	66.6	4.8	960	1003	2	
851122 GWB127/GWB236-7//STURDY		WA6820	HRW	13.2	63.0	63.2	3.9	900	912	2	P-Q-LVOL
851123 11-60-155/2*C1407//RGR		ID0280	HRW	16.4	66.2	65.9	2.9	955	936	2	
851124 HNL//C114106/CLM//MC		ID0281	HRW	16.0	63.7	63.8	4.4	920	926	3	Q-LVOL&BCRGR
851125 HGL/ID5006/3/C114106/CLM//MC/4/C114106/		ID0282	HRW	11.7	62.7	63.2	2.8	840	871	3	P-LVOL&BCRGR
851126 ALL50/4/R/R//2*CNN/3/4TK/5/SM/4/4/BURT/		ID0283	HRW	18.9	63.2	63.5	3.5	1000	1019	1	
851127 C113438/BURT//SM7437/3/CER/4/P1173467/		WA7171	HRW	10.5	63.7	64.5	4.0	925	975	2	
851128 C113438/BURT//SM7437/3/CER/4/P1167822/		WA7172	HRW	6.0	62.2	63.1	2.8	925	981	4	P-FYELD&BCRGR
851129 PROBSTORER-EXTREM/TOB66		ORCR8313	HRW	20.2	64.8	65.7	4.6	940	996	4	Q-P-BCRGR
851130 7C/KAVKAZ//NORD		O1730875	SRW	2.5	57.4	58.6	1.2	790	862	8	P-FYELD,MTIME,LVOL&BCRGR
851131 OR-ID SEL.F60213-76		O1602137	HRW	1.9	61.1	60.8	1.0	800	781	9	P-MTIME,LVOL&BCRGR
851132 NORWIN		MT7877	HRW	11.9	62.0	62.6	3.1	890	927	8	P-BCRGR
851133 REDWIN SEL.		MT8003	HRW	12.0	64.7	64.6	3.3	1000	994	1	
851134 WRR/C113837//P11783438/HNL		UT1132534	HRW	12.7	63.9	64.4	3.4	945	976	4	P-Q-BCRGR
851135 HANSEL/ARBON		UT146111	HRW	15.8	64.8	65.1	4.2	915	934	4	P-Q-BCRGR
851136 HANSEL/ARBON		UT146120	HRW	16.0	64.6	65.0	4.4	900	925	5	P-BCRGR
851137 HANSEL/ARBON		UT146122	HRW	13.7	66.1	66.5	4.0	915	940	3	Q-BCRGR
851138 A68203W-E-1-3-3/A68203W-1-6-1		ID0297	HRW	14.5	65.7	65.6	3.5	940	934	2	
851139 21T65 OR 2CNN OR 2MC/C114107 OR C114106/		ID0298	HRW	10.3	64.1	64.7	3.1	890	927	5	P-BCRGR
851140 SNOWMOLD TOLERANT BULK SEL.		ID0299	HRW	8.9	64.0	64.5	2.6	870	901	4	P-LVOL&BCRGR
851141 ARBON/3/DM/CLM//BURT/P1178383		ID0300	HRW	15.0	64.2	64.8	3.7	960	997	2	
851142 HGL/ID5006/4/11-60-156/C114107/1T/3/		ID0301	HRW	12.9	65.3	65.8	3.9	955	986	2	
851143 ARBON/3/DM/CLM//BURT/P1178383		ID0302	HRW	12.6	65.2	65.4	3.5	950	962	2	
851144 21T65 OR 2CNN OR 2MC/C114107 OR C114106/		ID0284	HRW	13.8	65.5	66.1	3.3	955	992	3	Q-BCRGR
851145 WA5514/ITANA//CERCO,N8201908		WA7269	HRW	16.3	65.5	65.8	4.5	975	994	2	
851146 REA SEL.62/ID92, N8202503		WA7270	HRW	22.5	66.1	66.1	4.4	980	980	2	
851147 MARNE DESPREZ/COLOTANA//PICH		ORCR8320	HRW	18.4	65.5	65.3	3.5	978	966	3	Q-BCRGR

COMMENTS:

Composites of equal amount of seed from Kalispell, Stillwater, Pendleton, Moro, Lind, and Aberdeen were made from the analysis.

NOTE - O1730875 has soft endosperm. Several of these selections were significantly lower in loaf volume and heavier in crumb grain structure than Wanser. See "Remarks" for major deficiencies.

P = Poor; Q = Questionable

NURSCO 43

ID, MT, OR, WA

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	VISC
						1/ 1/		1/ 1/	3/ 3/		
8511148 MCKAY		6/ C1017903	HRS	61.8	72.1	0.40	86.2	9.9	60.6	5H	185
8511149 POTAM 70/FIELDER		WA6831	SWS	59.5	70.9	0.39	81.9	9.0	56.6	3M	126
8511150 FEDERATION		C1004734	SWS	60.7	69.8	0.39	80.3	9.4	55.1	3M	114
8511151 OWENS		C1017904	SWS	61.9	70.8	0.37	81.6	9.1	55.0	3M	109
8511152 WAVERLY		C1017911	SWS	60.2	72.3	0.39	83.9	9.2	56.1	4M	110
8511153 POTAM 70/FIELDER		6/ WA6916	SWS	60.9	70.5	0.41	80.0	9.0	56.5	4L	114
8511154 POTAM 70/FIELDER (PENAWAWA)		6/ WA6920	SWS	60.5	70.2	0.41	79.3	8.9	56.9	4L	117
8511155 ABERDEEN SEL.		6/ ID0249	SWS	60.7	72.0	0.41	82.0	8.9	55.1	2M	77
8511156 ABERDEEN SEL.		6/ ID0263	HRS	61.5	72.9	0.39	87.1	10.7	61.8	7H	235
8511157 HORK/YMH/KA//BB, ORS791432		6/ ORS8413	HWS	60.8	70.5	0.42	82.2	9.6	63.2	8M	219
8511158 K73579/BORAH		6/ WA7075	HRS	60.4	71.2	0.43	82.4	10.6	64.2	4H	205
8511159 ABERDEEN SEL.		ID0271	HRS	61.8	70.6	0.40	83.6	11.3	65.9	7H	339
8511160 ABERDEEN SEL.		ID0232	SWS	59.0	71.1	0.43	80.3	9.8	55.5	2M	73
8511161 ABERDEEN SEL.		6/ ID0266	SWS	62.5	72.0	0.38	84.1	9.0	56.8	4M	111
8511162 ABERDEEN SEL.		6/ ID0285	SWS	63.3	71.8	0.36	84.9	9.2	55.8	3M	122
8511163 ABERDEEN SEL.		ID0286	SWS	60.7	70.9	0.41	80.6	9.7	58.6	4M	150
8511164 MINIVET SIB.		ORS8415	HRS	63.6	67.7	0.43	76.6	11.0	65.0	6H	283
8511165 U1W498-165/WA6158		6/ UT251303	HRS	62.1	73.0	0.42	86.1	10.0	62.7	6M	149
8511166 K73772/BORAH, K7900748		WA7181	HRS	62.7	73.4	0.41	87.5	10.5	60.3	8M	203
8511167 K74153/K74093, K8000946		WA7182	HRS	61.6	69.4	0.48	76.0	10.4	64.7	5H	204
8511168 K78504/K79129-33//K7806645, HF830055		6/ WA7183	SWS	60.4	72.6	0.43	81.6	9.3	55.2	3M	84
8511169 ID0134//ID0064/ID0042, A77302S		ID0273	HRS	61.1	70.0	0.42	81.7	10.6	63.8	7H	289
8511170 A71372S-15-3/A71388S-1-2, A76119S-1-3		ID0287	HRS	62.6	67.3	0.42	77.3	10.9	65.9	6H	315
8511171 MRN/TBR66//ID107/3/ID153, A78201S-2		5/ ID0290	HRS	62.3	71.5	0.37	86.0	10.7	63.6	5H	253
8511172 BORAH//BORAH/BB S' RESEL.		ID0291	HRS	61.9	71.3	0.38	85.1	11.1	63.7	5H	268
8511173 ABERDEEN SEL. A71531S-A-26-1		6/ ID18151	SWS	60.9	72.4	0.40	83.2	9.0	57.4	3M	93
8511174 AU/KAL-BB/BON		ORS8417	HRS	59.9	65.6	0.49	69.5	9.8	62.6	6M	126
8511175 TV18A-CMU67/HORK S'		ORS8418	HRS	62.8	69.7	0.40	81.3	10.2	63.5	6H	240
8511176 JUP/BJY S'		ORS8425	HRS	62.8	67.6	0.40	77.6	10.9	64.6	6H	270
8511177 WYNNE/UT72S4-303		UT302956	HRS	61.0	67.0	0.44	74.4	10.6	64.2	4H	189
8511178 WYNNE/FMN		UT001515	HRS	61.7	69.2	0.43	78.8	10.4	63.0	5H	198
8511179 WYNNE/FMN		UT001643	HRS	61.9	70.0	0.45	78.6	10.4	64.6	5H	177
8511180 WYNNE/FMN		UT001787	HRS	62.8	69.6	0.43	79.5	9.7	64.3	8M	168
8511181 WYNNE/PWL		UT001415	HRS	60.1	69.9	0.43	79.2	10.1	63.7	6M	195

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 10% Protein.

4/ Observed Values Corrected to 10% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 43

ID, MT, OR, WA

LABNUM	VARIETY	IDNO	CLASS	VISCC	CODI	CODIC 4/	CAVOL	SCSOR	WTIN	NOSCO
851148 MCKAY		C1017903	HRS	189						
851149 POTAM 70/FIELDER		WA6831	SWS	157	9.04	8.93	1305	80.0	391	78
851150 FEDERATION		C1004734	SWS	130	8.81	8.75	1310	79.0	403	80
851151 OWENS		C1017904	SWS	133	8.90	8.80	1340	81.0	413	79
851152 WAVERLY		C1017911	SWS	131	8.82	8.74	1280	75.0	396	76
851153 POTAM 70/FIELDER		WA6916	SWS	142	9.15	9.04	1285	76.0	392	76
851154 POTAM 70/FIELDER (PENAWAWA)		WA6920	SWS	149	8.80	8.68	1275	76.0	394	77
851155 ABERDEEN SEL.		ID0249	SWS	98	8.89	8.77	1265	78.0	395	78
851156 ABERDEEN SEL.		ID0263	HRS	207						
851157 HORK/YMH/KK//BB, ORS791432		ORS8413	HWS	238						
851158 K73579/BORAH		WA7075	HRS	183						
851159 ABERDEEN SEL.		ID0271	HRS	269						
851160 ABERDEEN SEL.		ID0232	SWS	76	8.87	8.85	1220	72.0	400	71
851161 ABERDEEN SEL.		ID0266	SWS	138	8.89	8.78	1270	77.0	390	75
851162 ABERDEEN SEL.		ID0285	SWS	145	8.92	8.84	1230	74.0	393	76
851163 ABERDEEN SEL.		ID0286	SWS	159	8.67	8.64	1275	74.0	355	72
851164 MINIVET SIB.		ORS8415	HRS	236						
851165 UTW498-165/WAG158		UT251303	HRS	149						
851166 K73772/BORAH, K7900748		WA7181	HRS	185						
851167 K74153/K74093, K8000946		WA7182	HRS	189						
851168 K78504/K79129-33//K7806645, HF830055		WA7183	SWS	98	8.96	8.89	1270	77.0	367	76
851169 ID0134//ID0064/ID0042, A77302S		ID0273	HRS	258						
851170 A71372S-15-3/A71388S-1-2, A76119S-1-3		ID0287	HRS	267						
851171 MRN/1BR66//ID107/3/ID153, A78201S-2		ID0290	HRS	222						
851172 BORAH//BORAH/BB S' RESEL.		ID0291	HRS	220						
851173 ABERDEEN SEL. A71531S-A-26-1		ID18151	SWS	116	8.97	8.86	1295	74.0	380	74
851174 AU/KAL-BB/BON		ORS8417	HRS	131						
851175 TV18A-CM067/HORK S'		ORS8418	HRS	230						
851176 JUP/BJY S'		ORS8425	HRS	229						
851177 WYNNE/UT2S4-303		UT302956	HRS	169						
851178 WYNNE/FMN		UT001515	HRS	183						
851179 WYNNE/FMN		UT001643	HRS	164						
851180 WYNNE/FMN		UT001787	HRS	178						
851181 WYNNE/PWL		UT001415	HRS	192						

NURSCO 43

ID, MT, OR, WA

LABNUM	VARIETY	IDNO	CLASS	FABS	FPEAK	FSTAB	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
									3/		4/		
851148 MCKAY		C1017903	HRS	58.9	7.4	13.6	61.2	61.3	4.8	955	961	2	Q-FYELD
851149 POTAM 70/FIELDER		WA6831	SWS										
851150 FEDERATION		C1004734	SWS										
851151 OWENS		C1017904	SWS										
851152 WAVERLY		C1017911	SWS										
851153 POTAM 70/FIELDER		WA6916	SWS										Q-NSCOR
851154 POTAM 70/FIELDER (PENAWAWA)		WA6920	SWS										Q-NSCOR
851155 ABERDEEN SEL.		ID0249	SWS										
851156 ABERDEEN SEL.		ID0263	HRS	60.5	15.0	34.0	64.2	63.5	7.4	915	872	2	
851157 HORK/YMH/KA//BB, ORS791432		ORS8413	HWS	64.8	7.8	22.5	64.5	64.9	5.7	815	840	8	P-LVOL&BCRGR(HWS)
851158 K73579/BORAH		WA7075	HRS	68.6	9.8	11.4	66.5	65.9	3.7	930	893	3	Q-BCRGR
851159 ABERDEEN SEL.		ID0271	HRS	65.7	17.0	25.9	66.9	65.6	6.3	955	874	2	Q-LVOL
851160 ABERDEEN SEL.		ID0232	SWS										Q-SCSOR&NOSCOR
851161 ABERDEEN SEL.		ID0266	SWS										
851162 ABERDEEN SEL.		ID0285	SWS										
851163 ABERDEEN SEL.		ID0286	SWS										Q-CODI&NOSCOR
851164 MINIVET SIB.		ORS8415	HRS	68.0	14.4	18.2	67.7	66.7	5.2	925	863	3	P-FYELD, Q-BCRGR
851165 UTW498-165/WA6158		UT251303	HRS	61.3	7.9	11.3	62.4	62.4	2.8	845	845	2	Q-LVOL
851166 K73772/BORAH, K7900748		WA7181	HRS	55.8	12.1	25.7	62.5	62.0	5.8	900	869	5	P-BCRGR
851167 K74153/K74093, K8000946		WA7182	HRS	65.8	8.1	17.2	67.3	66.9	4.5	838	813	5	P-FYELD, LVOL&BCRGR
851168 K78504/K79129-33//K7806645, HIF830055		WA7183	SWS										
851169 ID0134//ID0064/ID0042, A77302S		ID0273	HRS	65.2	10.9	30.4	66.1	65.5	6.4	900	863	4	P-BCRGR
851170 A71372S-15-3/A71388S-1-2, A76119S-1-3		ID0287	HRS	69.1	8.4	16.9	70.5	69.6	5.8	825	769	5	P-FYELD, LVOL&BCRGR
851171 MRN/IBR66//ID107/3/ID153, A78201S-2		ID0290	HRS	65.4	9.8	13.5	64.0	63.3	3.6	950	907	2	
851172 BORAH//BORAH/BB S' RESEL.		ID0291	HRS	66.0	9.5	9.6	64.5	63.4	3.4	965	897	4	Q-BCRGR
851173 ABERDEEN SEL. A71531S-A-26-1		ID18151	SWS										
851174 AU/KAL-BB/BON		ORS8417	HRS	66.1	9.2	6.5	64.1	64.3	3.9	863	875	7	P-FYELD, BCRGR
851175 TV18A-CM067/HORK S'		ORS8418	HRS	67.8	10.7	13.9	65.4	65.2	4.3	900	888	4	Q-FYELD
851176 JUP/BJY S'		ORS8425	HRS	68.0	25.4	29.3	67.2	66.3	5.8	860	804	2	P-FYELD, Q-LVOL
851177 WYNNE/UT72S4-303		UT302956	HRS	68.1	10.3	12.9	66.5	65.9	3.6	875	838	4	P-FYELD, Q-LVOL&BCRGR
851178 WYNNE/FMN		UT001515	HRS	67.9	11.3	11.9	65.1	64.7	4.2	895	870	3	Q-FYELD&BCRGR
851179 WYNNE/FMN		UT001643	HRS	66.8	9.5	12.4	65.7	65.3	4.3	855	830	3	Q-LVOL&BCRGR
851180 WYNNE/FMN		UT001787	HRS	65.0	8.1	12.5	65.7	66.0	4.2	850	869	5	P-BCRGR
851181 WYNNE/PWL		UT001415	HRS	63.0	6.0	12.2	63.5	63.4	3.5	975	969	4	P-BCRGR

COMMENTS: See "Remarks" for deficiencies of those selections not footnoted as having promising overall quality. Composites of equal amounts of seed from nurseries grown at Ontario, Kalispell, Twin Falls, Pullman, and Corvallis were made for the analysis.

P = Poor; Q = Questionable

NURSCO 44

KANSAS

LABNUM	VARIETY	IDNO	CLASS	FASII 1/	FPROT 1/	MABSC 3/	MTYPE	FABS	FPEAK	FSTAB
8511182	85801-CONTROL GROUP #1		HRW	0.47	12.3	63.6	5H	59.2	8.0	18.0
8511183	85802-EXPERIMENTAL		5/HRW	0.43	14.4	65.1	5H	60.2	10.0	21.5
8511184	85803-EXPERIMENTAL		6/HRW	0.42	13.2	63.0	4H	57.6	6.5	12.5
8511185	85804-EXPERIMENTAL		6/HRW	0.44	12.4	65.8	5H	58.4	7.5	19.0
8511186	85805-CONTROL GROUP #2		HRW	0.43	10.5	62.8	6M	57.4	4.5	10.0
8511187	85806-EXPERIMENTAL		HRW	0.43	11.5	62.1	6M	56.8	4.0	8.0
8511188	85807-EXPERIMENTAL		HRW	0.46	12.2	63.6	3H	58.3	4.5	8.5
8511189	85808-EXPERIMENTAL		6/HRW	0.43	11.6	63.3	3H	60.2	3.5	8.0

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC 3/	MTIME	LVOL	LVOLC 4/	BCRGR	RMKS
8511182	85801-CONTROL GROUP #1		HRW	66.1	65.8	4.6	1040	1021	2	
8511183	85802-EXPERIMENTAL		HRW	69.2	66.8	4.8	1130	981	2	
8511184	85803-EXPERIMENTAL		HRW	65.9	64.7	4.5	1015	941	2	Q-LVOL
8511185	85804-EXPERIMENTAL		HRW	67.9	67.5	5.4	1020	995	2	
8511186	85805-CONTROL GROUP #2		HRW	63.5	65.0	3.9	970	1063	2	
8511187	85806-EXPERIMENTAL		HRW	63.3	63.8	3.9	945	976	4	Q-BCRGR
8511188	85807-EXPERIMENTAL		HRW	65.5	65.3	3.9	970	958	3	Q-BCRGR
8511189	85808-EXPERIMENTAL		HRW	63.6	64.0	2.8	970	995	2	

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 12% Protein.

4/ Observed Values Corrected to 12% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

COMMENTS: These hard red winter wheat flours were baked and evaluated in cooperation with the Hard Red Winter Wheat Quality Council, Manhattan, Kansas.

Q = Questionable

NURSCO 45

PENDLETON, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	TWT	FYIELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						<u>1/</u>		<u>1/</u>	<u>3/</u>	
851190	WANSER	C1013844	HRW	63.3	74.4	0.39	89.9	12.0	60.6	3H
851191	CENTURA		HRW	63.3	72.7	0.38	87.2	12.5	62.9	5H
851192	HATTON	C1017772	HRW	64.5	75.5	0.41	91.0	11.7	61.1	3H
851193	ORCR8313	<u>6/</u> 86HRELT7	HRW	63.3	74.4	0.41	88.8	11.2	62.3	5H
851194	ORCR8320	86HRELT8	HRW	62.3	73.3	0.40	86.9	12.5	62.2	4H
851195	ORCR8414	86HRELT9	HRW	63.4	70.2	0.38	83.0	12.0	61.1	3H
851196	TSN-B2	86HRELT10	HRW	62.4	74.3	0.39	88.5	11.0	58.4	4M
851197	ORCR8511	86HRELT11	HRW	62.2	64.4	0.44	70.9	12.3	61.3	3H
851198	ORCR8512	86HRELT12	HRW	62.3	71.5	0.43	82.7	11.3	61.9	4H
851199	ORCR8513	86HRELT13	HRW	63.0	70.0	0.39	82.9	12.2	61.8	2H

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					<u>3/</u>			<u>4/</u>		
851190	WANSER	C1013844	HRW	60.3	60.3	2.9	1000	1000	3	
851191	CENTURA		HRW	64.1	63.6	3.9	965	934	3	
851192	HATTON	C1017772	HRW	61.5	61.8	2.9	950	969	3	
851193	ORCR8313	86HRELT7	HRW	63.7	64.5	5.1	945	995	4 Q-BCRGR	
851194	ORCR8320	86HRELT8	HRW	63.9	63.4	2.5	880	849	6 P-LVOL&BCRGR	
851195	ORCR8414	86HRELT9	HRW	62.3	62.3	2.5	910	910	6 Q-LVOL, P-BCRGR&FYELD	
851196	TSN-B2	86HRELT10	HRW	58.1	59.1	2.4	835	897	8 P-LVOL&BCRGR	
851197	ORCR8511	86HRELT11	HRW	62.8	62.5	2.0	840	821	8 P-FYELD, LVOL&BCRGR	
851198	ORCR8512	86HRELT12	HRW	62.9	63.6	3.1	925	968	6 P-BCRGR	
851199	ORCR8513	86HRELT13	HRW	61.2	61.0	1.3	985	973	8 P-MTIME&BCRGR	

1/ Observed Values Corrected to 14% Moisture Basis.3/ Absorption at 14% Moisture Basis Corrected to 12% Protein.4/ Observed Values Corrected to 12% Protein.5/ Particularly Promising Overall Quality Characteristics.6/ Promising Overall Quality Characteristics.

COMMENTS: The only selection among these with some promise of acceptable overall quality is 86HRELT7. See "Remarks" for deficiencies of the others.

NURSCO 446

PENDLETON, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	TWT	FYIELD	FASH	MSCOR	FPROT	MABSC
						1/		1/	3/
851200 STEPHENS		C1017596	SWW	57.5	71.2	0.41	81.7	11.4	56.2
851201 HILL 81		C1017954	SWW	60.5	73.2	0.42	84.0	11.3	56.8
851202 DUSTY		P1486429	SWW	60.3	71.0	0.41	80.8	10.0	59.2
851203 JACMAR		WAG585	CLUB	57.0	72.7	0.43	82.5	10.9	55.7
851204 ORCW8314		6/86SWELT7	SWW	60.1	74.2	0.38	86.9	9.4	52.4
851205 ORCW8416		6/86SWELT8	SWW	61.9	73.2	0.39	86.1	11.1	56.0
851206 ORCW8417		6/86SWELT9	SWW	62.6	72.4	0.36	86.7	10.7	56.7
851207 ORCW8421		86SWELT10	SWW	61.1	74.4	0.38	88.6	10.7	56.4
851208 ORCW8517		86SWELT11	SWW	61.8	72.7	0.37	86.1	11.4	55.5
851209 ORCW8518		86SWELT12	SWW	57.3	72.7	0.45	80.0	12.0	55.2
851210 ORCW8519		6/86SWELT13	SWW	60.6	72.2	0.43	81.8	11.3	55.5
851211 ORCW8520		6/86SWELT14	SWW	58.4	71.5	0.42	81.6	10.9	54.0
851212 ORCW8521		6/86SWELT15	SWW	62.2	70.9	0.40	81.5	11.2	55.8
851213 ORCW8522		86SWELT16	SWW	62.7	69.1	0.40	79.0	11.3	53.5

LABNUM	VARIETY	IDNO	CLASS	MTYPE	CODI	CODIC	CAVOL	SCSOR	RMKS
						3/			
851200 STEPHENS		C1017596	SWW	2M	8.94	8.98	1235	73.0	
851201 HILL 81		C1017954	SWW	3M	8.95	8.98	1260	75.0	
851202 DUSTY		P1486429	SWW	4M	9.30	9.19	1260	78.0	
851203 JACMAR		WAG585	CLUB	3M	9.24	9.23	1280	79.0	
851204 ORCW8314		86SWELT7	SWW	2M	8.96	8.79	1260	76.0	
851205 ORCW8416		86SWELT8	SWW	2H	8.86	8.87	1240	75.0	
851206 ORCW8417		86SWELT9	SWW	3M	8.96	8.93	1235	73.0	
851207 ORCW8421		86SWELT10	SWW	3M	8.56	8.53	1200	68.0	P-CODI Q-SCSOR
851208 ORCW8517		86SWELT11	SWW	2M	8.81	8.86	1205	68.0	Q-SCSOR
851209 ORCW8518		86SWELT12	SWW	2M	8.94	9.05	1180	65.0	P-SCSOR
851210 ORCW8519		86SWELT13	SWW	2M	9.01	9.05	1280	76.0	
851211 ORCW8520		86SWELT14	SWW	3M	8.86	8.85	1275	71.0	Q-SCSOR
851212 ORCW8521		86SWELT15	SWW	1H	8.69	8.71	1295	77.0	
851213 ORCW8522		86SWELT16	SWW	3M	8.96	9.00	1260	62.0	P-SCSOR

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 11% Protein.

4/ Observed Values Corrected to 11% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

COMMENTS: High protein content may have influenced sponge cake performance, however, cookie spread was not reflective of the protein level.
Judgements were based on the performance of the check varieties.

P = Poor; Q = Questionable

NURSCO 47

PENDLETON, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/		1/	3/	
851214	WANSER	C1013844	HRW	63.2	71.0	0.33	89.3	11.7	61.6	3H
851215	CENTURA		HRW	64.2	68.7	0.31	88.1	12.7	64.6	4H
851216	ORCR8601	6/86HRELT114	HRW	63.6	69.4	0.30	89.0	11.3	61.5	6M
851217	ORCR8602	6/86HRELT115	HRW	62.6	68.0	0.36	84.6	10.4	62.9	8M
851218	ORCR8603	86HRELT116	HRW	62.2	69.3	0.37	85.3	11.1	60.4	4M
851219	ORCR8604	6/86HRELT119	HRW	64.5	70.4	0.34	87.9	11.3	61.0	4M
851220	ORCR8605	86HRELT120	HRW	65.2	67.4	0.30	87.3	11.1	63.9	7M
851221	ORCR8606	86HRELT123	HRW	64.1	67.9	0.33	86.1	11.2	62.1	6M
851222	ORCR8607	86HRELT124	HRW	64.7	69.4	0.37	85.6	11.5	58.5	2M
851223	ORCR8608	86HRELT122	HW	65.2	69.0	0.31	88.1	10.5	62.0	3M
851224	ORCR8609	86HRELT117	HRW	61.2	69.2	0.32	87.7	11.3	62.2	3M
851225	ORCR86010	6/86HRELT118	HRW	63.8	70.8	0.32	89.5	11.4	61.8	4M
851226	ORCR86011	86HRELT121	HW	64.7	67.6	0.32	86.1	10.9	62.6	3M
851227	OWW77004*-1H-1P-1S-OH	86HRRAN5	HW	59.5	67.8	0.42	81.4	11.8	61.9	4H
851228	OWW77396*-4P-3P-1S-OP	6/86HRRAN6	HRW	60.1	70.9	0.38	86.6	12.5	62.8	5H
851229	SWM789758*-15H-2P-OP	86HRRAN7	HRW	59.4	65.8	0.38	81.0	10.4	61.9	2H
851230	SW0780127B-1S-1P-OP	86HRRAN8	HRW	62.2	68.5	0.39	83.6	11.5	61.0	3M
851231	SWM776874*-4H-1H-2S-OP	5/86HRRAN9	HRW	64.2	71.8	0.32	90.6	10.7	63.0	3H
851232	SWM777168*-1H-2H-1S-OP	86HRRAN10	HRW	63.1	67.8	0.29	88.0	11.5	60.4	5H
851233	SWM777377*-4P-1H-1S-OP	86HRRAN11	HRW	62.7	64.5	0.43	77.5	11.5	63.7	5H

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 11% Protein.

4/ Observed Values Corrected to 11% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 47

PENDLETON, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
851214	WANSER	C1013844	HRW	63.5	62.8	2.6	975	927	2	
851215	CENTURA		HRW	66.6	64.9	3.4	960	855	2	
851216	ORCR8601	86HRELT14	HRW	63.5	63.2	3.2	910	891	2	
851217	ORCR8602	86HRELT15	HRW	64.0	64.6	4.6	875	912	2	Q-FYELD
851218	ORCR8603	86HRELT16	HRW	61.7	61.6	2.9	815	809	3	P-LVOL Q-BCRGR
851219	ORCR8604		HRW	63.0	62.7	3.0	865	846	2	Q-LVOL
851220	ORCR8605	86HRELT20	HRW	65.7	65.6	3.7	905	899	4	Q-FYELD&BCRGR
851221	ORCR8606	86HRELT23	HRW	64.0	63.8	2.8	785	773	6	Q-FYELD P-LVOL&BCRGR
851222	ORCR8607	86HRELT24	HRW	59.2	58.7	1.0	710	679	9	P-MTIME, LVOL&BCRGR
851223	ORCR8608	86HRELT22	HRW	62.2	62.7	1.8	840	871	5	P-MTIME&BCRGR
851224	ORCR8609		HRW	63.2	62.9	1.7	890	871	6	P-MTIME&BCRGR
851225	ORCR8610	86HRELT18	HRW	63.9	63.5	2.8	890	865	3	Q-BCRGR
851226	ORCR8611	86HRELT21	HRW	63.2	63.3	1.7	825	831	5	Q-FYELD, LVOL&BCRGR
851227	OWW77004*-1H-1P-1S-0H	86HRRAN5	HRW	64.4	63.6	2.9	860	810	4	Q-FYELD, LVOL&BCRGR
851228	OWW77396*-4P-3P-1S-0P	86HRRAN6	HRW	66.0	64.5	3.5	905	812	2	Q-LVOL
851229	SWM789758*-15H-2P-0P	86HRRAN7	HRW	63.0	63.6	1.9	825	862	5	P-FYELD, MTIME&BCRGR
851230	SW0780127B-1S-1P-0P	86HRRAN8	HRW	62.2	61.7	1.2	830	799	6	P-MTIME, LVOL&BCRGR
851231	SWM776874*-4H-1H-2S-0P	86HRRAN9	HRW	63.4	63.7	3.4	905	924	2	
851232	SWM777168*-1H-2H-1S-0P	86HRRAN10	HRW	62.6	62.1	3.7	825	794	3	Q-FYELD, LVOL&BCRGR
851233	SWM777377*-4P-1H-1S-0P	86HRRAN11	HRW	65.9	65.4	3.9	920	889	4	P-FYELD Q-BCRGR

COMMENTS: See footnotes for the selections which have promising overall quality. Selection 86HRRAN9 has very good milling and baking quality.

See "Remarks" for specific deficiencies of the other selections.

P = Poor; Q = Questionable

NURSCO 48

PENDLETON, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC		MTYPE	CODI	CODIC RMKS	
									1/ 3/	4/ 5/				
851234	STEPHENS	C1017596	SWM	59.5	71.0	0.39	86.9	10.7	57.1	2M	9.09	9.05		
851235	STEPHENS-FOUNDATION	C1017596	SWM	59.9	71.2	0.37	88.3	10.5	56.6	1M	9.16	9.11		
851236	HILL 81	C1017954	SWM	61.6	73.7	0.41	89.0	10.8	56.3	2M	9.29	9.27		
851237	HILL 81-FOUNDATION	C1017954	SWM	60.8	73.4	0.41	88.6	11.1	56.5	2M	9.34	9.35		
851238	ORCW8617	86SWELT17	SWM	59.0	63.8	0.42	75.8	10.1	55.4	4L	8.89	8.79	Q-CODI P-FYELD	
851239	ORCW8618	5/ 86SWELT18	SWM	61.3	73.1	0.36	91.2	10.6	55.7	2M	9.26	9.22		
851240	ORCW8619	5/ 86SWELT19	SWM	61.7	73.2	0.40	88.9	10.9	56.4	2M	9.06	9.05		
851241	ORCW8620	86SWELT20	SWM	59.9	68.7	0.38	84.5	10.5	58.1	4M	8.67	8.62	Q-FYELD&CODI	
851242	ORCW8621	86SWELT21	SWM	60.9	69.2	0.37	85.5	12.0	56.0	3M	8.75	8.86	Q-FYELD&CODI	
851243	ORCW8622	6/ 86SWELT22	SWM	60.8	70.5	0.37	87.6	10.0	56.5	2M	9.57	9.46		
851244	ORCW8623	86SWELT23	HWM	62.2	69.9	0.38	85.3	9.8	58.4	3M	8.51	8.42	P-CODI(Hard)	
851245	ORCW8624	86SWELT24	SWM	58.3	68.9	0.41	82.4	11.4	53.6	3L	9.05	9.09	Q-FYELD	
851246	ORCW8625	6/ 86SWELT25	SWM	61.9	71.4	0.40	86.2	10.6	55.0	2M	9.29	9.24		
851247	ORCW8626	5/ 86SWELT26	SWM	62.7	73.4	0.37	91.0	10.4	56.6	2M	9.20	9.13		
851248	ORCW8627	6/ 86SWELT27	SWM	63.3	71.8	0.34	90.6	10.5	56.8	2M	8.99	8.93		
851249	ORCW8628	86SWELT28	SWM	57.7	66.4	0.38	81.3	11.6	56.4	3M	8.86	8.93	P-FYELD	
851250	ORCW8629	86SWELT29	SWM	61.0	71.6	0.36	89.6	9.6	54.0	2M	8.90	8.75	Q-CODI	
851251	ORCW8630	86SWELT30	SWM	62.5	71.0	0.33	90.4	11.1	49.0	1M	9.49	9.50		
851252	ORCW8631	6/ 86SWELT31	SWM	60.3	70.8	0.35	89.1	10.7	56.4	2M	8.97	8.94		
851253	ORCW8632	6/ 86SWELT32	SWM	59.8	71.1	0.38	87.5	10.7	54.7	2M	9.19	9.15		
851254	ORCW8633	86SWELT33	SWM	61.3	69.9	0.45	81.7	10.0	52.9	2M	9.10	8.99	Q-MSCOR	
851255	ORCW8634	6/ 86SWELT34	SWM	61.3	70.6	0.42	84.4	9.4	51.9	2L	9.19	9.01		
851256	ORCW8635	6/ 86SWELT35	SWM	51.3	71.8	0.36	89.6	8.9	52.0	2L	9.22	8.99		
851257	ORCW8636	86SWELT36	SWM	57.3	66.7	0.42	79.5	11.6	52.4	2H	8.87	8.94	P-FYELD	
851258	ORCW8637	86SWELT37	SWM	59.5	69.3	0.41	83.4	11.3	54.3	2H	8.91	8.95	Q-FYELD	
851259	86RAN11	86SWRAN11	SWM	61.2	66.9	0.41	79.9	11.2	54.4	2H	8.99	9.01	P-FYELD	
851260	86RAN12	86SWRAN12	SWM	59.9	67.6	0.45	78.6	10.9	55.0	2H	8.91	8.90	P-FYELD	
851261	86RAN13	86SWRAN13	SWM	62.0	70.6	0.42	84.3	9.6	54.9	2M	9.12	8.97		
851262	86RAN14	86SWRAN14	SWM	59.2	68.0	0.35	85.2	10.8	53.2	2M	8.99	8.97	Q-FYELD	
851263	86RAN15	6/ 86SWRAN15	SWM	60.1	69.6	0.36	86.7	11.1	54.8	2M	9.01	9.02	Q-FYELD	
851264	86RAN16	6/ 86SWRAN16	SWM	60.3	70.2	0.44	82.7	10.2	55.4	3M	9.20	9.11	Q-FASH	
851265	86RAN17	86SWRAN17	SWM	61.7	68.1	0.38	83.9	10.8	54.5	3L	8.86	8.84	Q-FYELD&CODI	
851266	86RAN18	86SWRAN18	SWM	61.1	69.3	0.37	85.8	10.4	53.6	2L	8.90	8.83	Q-FYELD&CODI	
851267	86RAN19	6/ 86SWRAN19	SWM	60.8	70.7	0.37	87.3	10.4	55.0	2M	9.07	9.01		
851268	86RAN20	6/ 86SWRAN20	SWM	61.0	71.1	0.42	85.0	10.8	56.0	3M	9.14	9.12		

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 11% Protein.

4/ Observed Values Corrected to 11% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 48

PENDLETON, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	CODI	CODIC	RMKS
						<u>1/</u>		<u>1/</u>	<u>3/</u>			<u>4/</u>	
851269 86RAN21		5/ 86SWRAN21	SWW	61.4	71.1	0.37	88.2	10.7	54.9	2M	9.15	9.12	
851270 86RAN22		86SWRAN22	SWW	63.0	66.6	0.36	83.0	9.8	54.1	3M	9.11	8.98	P-FIELD

COMMENTS: Several of these selections have good overall quality (Footnotes). The outstanding selections are No.'s 26 and 30. The most common deficiency is in the area of low flour yield. See "Remarks" for major deficiencies.

P = Poor; Q = Questionable

NURSCO 49

CORVALLIS, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	CODI	CODIC	MTYPE	RMKS
					1/			1/	3/			4/	
851271 STEPHENS		C1017596	SWM	64.4	71.9	0.35	90.5	7.8	53.1	9.39		9.37	2L
851272 ORCW8113 (MALCOLM)			SWM	62.8	71.8	0.35	90.2	7.3	52.6	9.01		8.94	2L
851273 OR8400353P		6/ 86SWRPN5	SWM	61.6	72.9	0.35	91.5	7.6	53.7	8.85		8.81	4L
851274 OR8400793P		5/ 86SWRPN6	SWM	62.8	72.4	0.36	90.3	7.7	52.4	9.32		9.29	2L
851275 OR8400814H		5/ 86SWRPN7	SWM	64.0	71.6	0.31	92.4	8.0	53.8	9.36		9.36	2L
851276 OR8400813H		5/ 86SWRPN8	SWM	63.2	72.2	0.33	92.2	7.9	53.4	9.40		9.39	1L
851277 OR8400815H		5/ 86SWRPN9	SWM	63.6	72.0	0.31	92.8	7.9	53.1	9.47		9.46	2L
851278 OR8400836S		6/ 86SWRPN10	SWM	61.6	71.1	0.36	88.8	7.7	52.3	9.30		9.27	1L
851279 OR8400838H		5/ 86SWRPN11	SWM	62.0	72.4	0.35	90.8	7.1	52.9	9.35		9.25	3L
851280 OR8400857H		6/ 86SWRPN12	SWM	61.2	71.1	0.33	90.5	7.3	53.7	9.24		9.16	2L
851281 OR8400882H		86SWRPN13	SWM	62.0	70.6	0.35	88.6	7.1	52.2	9.14		9.04	2L Q-FYELD
851282 OR8400884H		86SWRPN14	SWM	63.2	70.8	0.35	88.9	7.6	52.4	9.11		9.07	2L Q-FYELD
851283 OR8400886S		86SWRPN15	SWM	62.0	70.4	0.34	88.9	7.5	53.1	9.29		9.23	3L Q-FYELD
851284 OR8400896H		6/ 86SWRPN16	SWM	61.2	71.5	0.34	90.5	7.6	53.2	9.16		9.12	5L
851285 OR8400911P		86SWRPN17	SWM	63.6	69.7	0.35	87.8	7.7	53.6	8.94		8.90	3L Q-FYELD
851286 OR8400941S		86SWRPN18	SWM	63.2	70.5	0.34	89.4	7.9	53.2	8.97		8.96	4L Q-FYELD
851287 OR8401006H		5/ 86SWRPN19	SWM	63.2	73.7	0.38	90.5	8.6	52.8	9.01		9.08	3L
851288 OR8401012S		5/ 86SWRPN20	SWM	62.8	73.7	0.37	91.2	8.6	53.5	9.11		9.18	2L
851289 OR8401051H		86SWRPN21	SWM	62.4	70.2	0.36	87.4	8.4	52.5	9.17		9.22	2L Q-FYELD
851290 OR8401073H		6/ 86SWRPN22	SWM	63.2	72.3	0.36	90.2	8.0	52.4	8.94		8.94	2L
851291 OR8401074P		6/ 86SWRPN23	SWM	63.2	72.3	0.33	92.0	8.5	52.9	8.89		8.94	3L
851292 OR8401077P		6/ 86SWRPN24	SWM	63.6	72.6	0.35	91.4	7.9	53.5	8.85		8.84	3L Q-CODI
851293 OR8401078H		6/ 86SWRPN25	SWM	63.2	73.3	0.36	91.6	7.8	53.5	8.89		8.87	3L
851294 OR8401079P		6/ 86SWRPN26	SWM	63.2	72.3	0.35	90.6	7.9	53.9	8.87		8.86	2L
851295 OR8401081H		6/ 86SWRPN27	SWM	62.8	73.5	0.35	92.4	8.2	53.8	8.97		9.00	4L
851296 OR8401082S		86SWRPN28	SWM	63.6	72.6	0.35	91.5	7.7	54.9	8.82		8.79	3L Q-CODI
851297 OR8401083H		86SWRPN29	SWM	63.2	72.1	0.37	89.6	7.4	54.1	8.75		8.68	3L P-CODI
851298 OR8401084S		86SWRPN30	SWM	63.2	71.2	0.35	89.7	7.7	54.8	8.80		8.77	2L Q-CODI
851299 OR8401085H		86SWRPN31	SWM	64.0	73.2	0.35	91.7	8.1	54.3	8.64		8.65	3L P-CODI
851300 OR8401095S		6/ 86SWRPN32	SWM	64.2	71.5	0.36	89.2	7.6	52.4	9.07		9.03	5L
851301 OR8401101H		6/ 86SWRPN33	SWM	62.0	72.6	0.36	90.5	7.6	49.3	8.97		8.93	2L
851302 OR8401112S		5/ 86SWRPN34	SWM	63.6	74.2	0.35	93.1	8.4	51.6	9.14		9.18	3L
851303 OR8401113H		5/ 86SWRPN35	SWM	62.4	74.5	0.35	93.6	8.5	52.9	9.45		9.50	3L
851304 OR8401121S		5/ 86SWRPN36	SWM	62.8	73.8	0.33	94.1	8.0	52.5	9.27		9.27	3L
851305 OR8401122S		5/ 86SWRPN37	SWM	62.8	73.6	0.33	93.9	8.0	52.9	9.14		9.14	3L

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 8% Protein.

4/ Observed Values Corrected to 8% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

"Outstanding"

NURSCO 49

CORVALLIS, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	CODI	CODIC	MTYPE	RMKS
					1/	1/		1/	3/		4/		
851306	OR8401248S	6/86SWRPN38	SWW	61.6	72.7	0.35	91.6	7.6	51.9	9.17	9.13	5L	
851307	OR8401285H	6/86SWRPN39	SWW	60.0	71.4	0.37	88.5	7.6	51.2	9.24	9.19	2L	
851308	OR8401286S	6/86SWRPN40	SWW	59.2	71.4	0.37	88.4	7.3	50.2	9.46	9.39	1L	
851309	OR8401287H	5/86SWRPN41	SWW	64.0	73.6	0.32	94.7	8.8	52.6	9.25	9.34	3L	
851310	OR8401289S	5/86SWRPN42	SWW	64.0	73.1	0.32	93.6	9.1	51.9	9.31	9.43	2L	
851311	OR8401309P	5/86SWRPN43	SWW	62.8	73.2	0.34	92.5	7.7	51.2	9.37	9.34	2L	"Outstanding"
851312	OR8401312P	5/86SWRPN44	SWW	62.0	72.6	0.34	91.7	8.0	51.0	9.29	9.29	2L	
851313	OR8401321H	5/86SWRPN45	SWW	62.0	72.6	0.34	91.7	8.3	50.6	9.46	9.50	3L	"Outstanding"
851314	OR8401322P	86SWRPN46	SWW	62.0	70.8	0.33	90.2	8.4	50.9	9.31	9.36	3L	Q-FYELD
851315	OR8401323S	5/86SWRPN47	SWW	61.6	72.2	0.33	92.1	7.8	51.5	9.37	9.35	2L	
851316	OR8401324P	86SWRPN48	SWW	60.4	70.8	0.35	88.8	7.6	51.3	9.24	9.19	1L	Q-FYELD
851317	OR8401346H	5/86SWRPN49	SWW	62.8	72.7	0.33	92.6	7.1	52.0	9.54	9.44	5L	"Outstanding"
851318	OR8401386P	6/86SWRPN50	SWW	59.6	72.0	0.34	91.0	8.1	51.0	9.05	9.06	3L	
851319	OR8401388P	6/86SWRPN51	SWW	61.6	73.8	0.39	90.2	8.0	50.9	9.11	9.11	2L	
851320	OR8401389H	5/86SWRPN52	SWW	60.4	72.7	0.36	90.7	8.3	49.0	9.25	9.28	2L	
851321	OR8401393P	6/86SWRPN53	SWW	62.0	71.1	0.33	90.8	9.2	51.4	9.19	9.32	2M	
851322	OR8401394P	6/86SWRPN54	SWW	62.8	71.1	0.32	91.1	8.9	50.7	9.16	9.26	2M	
851323	OR8401411S	6/86SWRPN55	SWW	61.2	71.6	0.38	88.3	8.3	52.0	8.91	8.95	2L	
851324	OR8401421P	6/86SWRPN56	SWW	63.2	71.2	0.35	89.3	7.4	52.1	8.82	8.76	2L	
851325	OR8401438P	5/86SWRPN57	SWW	62.0	74.5	0.35	93.8	7.5	51.4	9.36	9.31	2L	"Outstanding"
851326	OR8401439P	6/86SWRPN58	SWW	65.3	72.8	0.38	89.6	7.4	50.6	9.19	9.12	2L	
851327	OR8401442H	5/86SWRPN59	SWW	62.0	72.1	0.33	92.1	7.1	52.7	9.45	9.35	3L	
851328	OR8401444H	6/86SWRPN60	SWW	61.6	71.4	0.34	90.6	7.2	50.9	9.26	9.17	3L	
851329	OR8401456P	5/86SWRPN61	SWW	61.2	73.8	0.38	91.1	7.7	51.1	9.36	9.33	3L	"Outstanding"
851330	OR8401464P	5/86SWRPN62	SWW	62.4	74.9	0.35	94.4	7.9	52.9	9.15	9.14	3L	
851331	OR8401467S	6/86SWRPN63	SWW	63.2	71.4	0.36	89.0	7.1	54.0	9.25	9.15	4L	
851332	OR8401469S	86SWRPN64	SWW	60.0	70.3	0.32	90.2	7.1	52.1	9.22	9.13	3L	Q-FYELD
851333	OR8401484S	86SWRPN65	SWW	61.6	70.4	0.35	88.3	7.7	52.5	8.84	8.80	2L	Q-FYELD&CODI
851334	OR8401486H	5/86SWRPN66	SWW	62.0	72.1	0.36	89.9	8.4	52.9	9.27	9.32	3L	
851335	OR8401491P	86SWRPN67	SWW	60.4	70.2	0.35	87.9	9.3	52.8	8.91	9.06	2M	
851336	OR8401506P	86SWRPN68	SWW	62.0	68.9	0.35	86.3	7.9	52.7	9.21	9.20	4L	Q-FYELD
851337	OR8401507S	86SWRPN69	SWW	61.6	68.9	0.35	86.8	8.2	53.3	9.21	9.23	3L	Q-FYELD
851338	OR8401511S	86SWRPN70	SWW	60.8	68.3	0.37	84.6	7.8	51.8	9.35	9.33	3L	Q-FYELD
851339	OR8401532S	86SWRPN71	SWW	60.0	70.0	0.36	87.4	7.6	53.1	9.32	9.28	2L	Q-FYELD
851340	OR8401544P	6/86SWRPN72	SWW	62.8	71.3	0.34	90.0	7.9	51.7	9.31	9.30	3L	

NURSCO 49

CORVALLIS, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT			CODIC	MTYPE	RMKS
								1/	3/	4/			
851341	OR8401547P	86SWRPN73	SWW	62.4	70.2	0.34	88.9	8.1	52.9	9.00	9.01	3L	Q-FYELD
851342	OR8401569P	6/86SWRPN74	SWW	61.2	71.2	0.39	86.8	7.5	52.5	9.26	9.21	4L	
851343	OR8401571P	86SWRPN75	SWW	62.0	70.9	0.39	86.6	7.3	53.9	9.10	9.02	2L	Q-FYELD
851344	OR8401586P	6/86SWRPN76	SWW	61.6	72.2	0.37	89.6	7.7	51.9	9.24	9.20	5L	
851345	OR8401669P	86SWRPN77	SWW	63.6	70.0	0.35	87.9	8.0	52.6	9.35	9.35	2L	Q-FYELD
851346	OR8401672P	86SWRPN78	SWW	63.6	70.2	0.37	87.2	8.0	52.5	9.10	9.10	2L	Q-FYELD
851347	OR8401785P	86SWRPN79	SWW	60.8	69.9	0.36	86.9	8.7	52.0	9.25	9.33	2L	Q-FYELD
851348	OR8401835P	5/86SWRPN80	SWW	62.4	72.2	0.35	90.9	7.8	53.2	9.39	9.37	2L	
851349	OR8401864S	5/86SWRPN81	SWW	59.6	72.4	0.37	89.7	7.7	54.9	9.30	9.27	3L	
851350	OR8401865P	5/86SWRPN82	SWW	59.6	72.8	0.38	89.9	8.1	53.5	9.30	9.31	3L	
851351	OR8401866P	6/86SWRPN83	SWW	58.8	72.3	0.39	88.2	8.0	53.3	9.24	9.24	2L	
851352	OR8401871P	6/86SWRPN84	SWW	62.0	72.5	0.36	90.5	8.0	53.5	9.24	9.24	3L	
851353	OR8401872P	5/86SWRPN85	SWW	61.2	73.5	0.38	90.6	7.7	54.1	9.37	9.34	2L	
851354	OR8401927S	5/86SWRPN86	SWW	60.4	73.8	0.38	90.8	7.9	53.7	9.42	9.41	3L	"Outstanding"
851355	OR8401952S	5/86SWRPN87	SWW	61.6	74.2	0.37	92.1	7.1	53.2	9.24	9.14	2L	"Outstanding"
851356	OR8401956P	5/86SWRPN88	SWW	60.4	73.0	0.38	90.1	8.3	53.5	9.19	9.22	3L	
851357	OR8402009H	5/86SWRPN89	SWW	62.4	72.6	0.36	90.7	8.1	53.7	9.26	9.27	2L	
851358	OR8402026P	86SWRPN90	SWW	62.4	69.2	0.33	88.5	8.2	53.8	9.06	9.08	4L	Q-FYELD
851359	OR8402027S	86SWRPN91	SWW	62.0	70.6	0.36	88.2	7.8	53.6	8.92	8.90	3L	Q-FYELD
851360	OR8402058P	86SWRPN92	SWW	60.8	69.0	0.39	84.2	7.5	53.5	9.21	9.16	2L	Q-FYELD
851361	OR8402961H	86SWRPN93	SWW	61.6	69.7	0.41	83.6	7.2	56.1	8.81	8.72	4L	Q-FYELD
851362	OR8403207H	6/86SWRPN94	SWW	62.0	71.2	0.37	88.0	8.1	53.0	9.19	9.20	3L	
851363	OR8403208H	5/86SWRPN95	SWW	61.2	71.2	0.39	87.1	7.7	52.6	9.29	9.25	3L	
851364	OR8401954P	5/86SWRPN96	SWW	61.6	73.6	0.39	90.0	8.1	54.0	9.45	9.46	2L	"Outstanding"

COMMENTS: This nursery has many promising new selections of soft white wheats for both milling and baking quality. All were probably above average for milling characteristics based on Stephens and Malcolm. See "Remarks" for deficiencies and identity of those that are "Outstanding".

Q = Questionable; P = Poor

NURSCO 50

PENDLETON, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	TWT	FYLD	FASH 1/	MSCOR	FPROT 1/	MABSC	MTYPE
851365	WANSER	C1013844	HRW	64.0	71.1	0.36	87.7	11.5	61.1	3H
851366	OR8400012P	86HRRPN5	HRW	64.8	67.8	0.39	83.1	10.5	59.9	1H
851367	OR8400026P	86HRRPN6	HRW	62.0	70.7	0.39	86.0	9.8	58.6	1M
851368	OR8400027P	86HRRPN7	HRW	62.0	71.4	0.40	85.9	10.0	58.9	1M
851369	OR8400032P	86HRRPN8	HRW	57.2	62.4	0.46	73.4	9.6	57.9	2M
851371	OR8400092P	86HRRPN10	HRW	62.8	67.3	0.42	80.9	11.1	62.6	4H
851372	OR8400138H	86HRRPN11	HRW	60.0	66.8	0.42	80.3	10.1	60.4	3M
851373	OR8400139H	86HRRPN12	HRW	59.6	67.3	0.45	79.4	9.8	59.2	3M
851374	OR8400147P	86HRRPN13	HRW	62.0	67.3	0.42	80.5	11.5	58.8	1H
851375	OR8400157P	5/86HRRPN14	HRW	62.8	71.7	0.42	85.6	10.7	59.7	6M
851376	OR8400159P	6/86HRRPN15	HRW	62.4	71.4	0.43	84.7	11.3	58.6	6M
851377	OR8400161P	5/86HRRPN16	HRW	62.4	71.8	0.43	84.6	11.0	59.4	6M
851378	OR8400201P	86HRRPN17	HRW	65.2	68.5	0.41	82.5	10.7	62.3	5H
851379	OR8400212H	5/86HRRPN18	HRW	65.6	71.6	0.42	85.4	12.0	63.3	5H
851380	OR8400214H	6/86HRRPN19	HRW	64.0	69.4	0.38	85.0	11.2	61.0	3H
851381	OR8400229P	86HRRPN20	HRW	64.8	69.5	0.33	87.8	11.2	58.2	1M
851382	OR8400262H	6/86HRRPN21	HRW	64.8	70.3	0.34	88.2	11.1	61.1	4H
851383	OR8400293S	86HRRPN22	HRW	61.6	72.2	0.40	86.9	10.0	55.4	2M
851384	OR8400299P	86HRRPN23	HRW	61.2	65.7	0.32	84.1	11.6	61.7	6H
851385	OR8400366H	6/86HRRPN24	HRW	65.6	70.1	0.32	89.1	12.2	61.2	4M
851386	OR8400377H	86HRRPN25	HRW	63.6	67.6	0.33	85.5	12.5	60.4	2H
851387	OR8400431P	86HRRPN26	HRW	64.4	72.2	0.37	88.6	10.5	58.3	4M
851388	OR8400493P	86HRRPN27	HRW	59.6	66.7	0.42	80.0	12.3	61.6	2H
851389	OR8400494H	86HRRPN28	HRW	65.2	70.9	0.39	86.2	10.9	59.8	3M
851390	OR8400603H	86HRRPN29	HRW	66.4	73.3	0.37	89.4	10.6	59.1	3M
851391	OR8400703H	86HRRPN31	HRW	65.2	65.8	0.38	81.2	10.3	60.0	3M
851392	OR8400719P	86HRRPN32	HRW	61.2	68.6	0.42	81.9	11.7	59.8	3M
851393	OR8400746S	86HRRPN33	HRW	63.2	67.8	0.39	82.9	12.0	58.4	3M
851394	OR8400747P	86HRRPN34	HRW	64.0	69.4	0.38	85.1	12.1	59.7	2M
851395	OR8400748P	86HRRPN35	HRW	62.8	69.6	0.40	84.0	12.2	59.6	2M
851396	OR8400756P	6/86HRRPN36	HRW	64.4	71.6	0.36	88.4	12.1	61.7	4H
851397	OR8401146H	86HRRPN37	HRW	65.6	69.3	0.37	85.2	11.2	60.5	3M
851398	OR8401355P	86HRRPN38	HRW	63.2	68.2	0.35	85.3	10.8	61.1	3H
851399	OR8401356H	86HRRPN39	HRW	64.0	69.3	0.36	85.9	11.8	59.3	2H
851400	OR8401431P	86HRRPN40	HRW	64.0	69.1	0.33	87.2	10.8	61.2	4H

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 11% Protein.

4/ Observed Values Corrected to 11% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 50

PENDLETON, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
851365	WANSER	C1013844	HRW	62.8	62.3	2.9	975	941	4	P-MIXO
851366	OR8400012P	86HRRPN5	HRW							P-MIXO
851367	OR8400026P	86HRRPN6	HRW							P-MIXO
851368	OR8400027P	86HRRPN7	HRW							P-MIXO
851369	OR8400032P	86HRRPN8	HRW							P-MIXO&FYELD
851371	OR8400092P	86HRRPN10	HRW	64.4	64.3	3.3	925	919	2	Q-FYELD
851372	OR8400138H	86HRRPN11	HRW							P-FYELD&MIXO
851373	OR8400139H	86HRRPN12	HRW	59.7	60.9	2.3	785	859	8	P-LVOL&BCRGR
851374	OR8400147P	86HRRPN13	HRW							P-MIXO
851375	OR8400157P	86HRRPN14	HRW	61.1	61.4	3.9	935	954	2	
851376	OR8400159P	86HRRPN15	HRW	60.6	60.3	3.2	965	946	3	
851377	OR8400161P	86HRRPN16	HRW	61.1	61.1	3.4	975	975	4	
851378	OR8400201P	86HRRPN17	HRW	63.7	64.0	4.1	915	934	3	Q-FYELD
851379	OR8400212H	86HRRPN18	HRW	66.0	65.0	4.6	985	923	1	
851380	OR8400214H	86HRRPN19	HRW	61.9	61.7	2.9	988	976	3	
851381	OR8400229P	86HRRPN20	HRW							P-MIXO
851382	OR8400262H	86HRRPN21	HRW	63.9	63.8	3.2	915	909	4	
851383	OR8400293S	86HRRPN22	HRW							P-MIXO
851384	OR8400299P	86HRRPN23	HRW	64.0	63.4	5.2	940	903	3	P-FYELD
851385	OR8400366H	86HRRPN24	HRW	64.1	62.9	3.0	990	916	4	
851386	OR8400377H	86HRRPN25	HRW	63.6	62.1	2.3	890	797	6	Q-FYELD, P-LVOL&BCRGR
851387	OR8400431P	86HRRPN26	HRW							P-MIXO
851388	OR8400493P	86HRRPN27	HRW							P-FYELD&MTIME
851389	OR8400494H	86HRRPN28	HRW	64.6	63.3	2.0	1015	934	2	
851390	OR8400603H	86HRRPN29	HRW							P-MIXO
851391	OR8400703H	86HRRPN31	HRW							P-MIXO
851392	OR8400719P	86HRRPN32	HRW							P-MIXO
851393	OR8400746S	86HRRPN33	HRW							P-MIXO
851394	OR8400747P	86HRRPN34	HRW							P-MIXO
851395	OR8400748P	86HRRPN35	HRW							P-MIXO
851396	OR8400756P	86HRRPN36	HRW	65.5	64.4	3.5	993	925	4	
851397	OR8401146H	86HRRPN37	HRW							P-MIXO
851398	OR8401355P	86HRRPN38	HRW	61.6	61.8	2.6	905	917	6	P-BCRGR
851399	OR8401356H	86HRRPN39	HRW							P-MIXO
851400	OR8401431P	86HRRPN40	HRW	62.7	62.9	3.2	865	877	5	P-LVOL&BCRGR

NURSCO 50

PENDLETON, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH 1/	MSCOR	FPROT 1/	MABSC	MTYPE
851401	OR8401425H	86HRRPN41	HRW	61.6	68.2	0.37	84.5	10.3	59.3	4M
851402	OR8401707P	86HRRPN42	HRW	62.8	70.0	0.44	82.3	11.0	59.7	3M
851403	OR8401708P	86HRRPN43	HRW	60.8	69.5	0.45	81.6	10.6	60.2	3M
851404	OR8401709P	86HRRPN44	HRW	60.8	68.4	0.47	79.4	10.7	59.6	2M
851405	OR8401742P	86HRRPN45	SRW	62.8	67.8	0.39	82.6	11.3	55.3	2M
851406	OR8401747H	86HRRPN46	SRW	62.8	65.6	0.40	79.3	10.8	54.3	2M
851407	OR8403192H	86HRRPN47	HRW	64.4	69.9	0.37	85.9	11.0	58.4	2M
851408	OR8403309H	86HRRPN48	HRW	63.6	68.3	0.38	84.0	11.9	59.5	2H

NURSCO 50

PENDLETON, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
851401	OR8401425H	86HRRPN41	HRW	60.3	61.0	3.6	825	868	8	P-LVOL&BCRGR
851402	OR8401707P	86HRRPN42	HRW							P-MIXO
851403	OR8401708P	86HRRPN43	HRW	61.5	61.9	2.3	840	865	6	P-LVOL&BCRGR
851404	OR8401709P	86HRRPN44	HRW							P-MIXO
851405	OR8401742P	86HRRPN45	SRW							P-MIXO
851406	OR8401747H	86HRRPN46	SRW							P-MIXO "SOFT"
851407	OR8403192H	86HRRPN47	HRW							P-MIXO "SOFT"
851408	OR8403309H	86HRRPN48	HRW	61.1	60.2	1.8	915	859	2	P-MTIME&LVOL

COMMENTS: Several appear to be equal to or better in overall quality than Wanser (Footnoted). Those that had weak mixograms were not baked.
The crumb grain of Wanser was questionable and was used as the standard for comparison and reference for the other lines.

P = Poor; Q = Questionable

NURSCO 51

PENDLETON, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH 1/	MSCOR	FPROT 1/	MABSC 3/	MTYPE
851409 WANSER		C1013844	HRW	63.6	71.5	0.35	88.9	11.4	63.0	3H
851410 CENTURA			HRW	63.6	69.9	0.32	88.5	12.3	62.6	4H
851411 OR8300027		6/86HRRAN12	HRW	63.2	70.2	0.32	88.9	11.0	60.7	6M
851412 OR8300282		86HRRAN13	HRW	62.8	69.9	0.42	83.4	10.7	59.7	3M
851413 OR8300602		86HRRAN14	HRW	58.8	68.0	0.41	82.1	13.5	61.3	2H
851414 OR8300821		6/86HRRAN15	HRW	65.2	69.4	0.35	86.7	11.8	62.5	3H
851415 OR8301078		86HRRAN16	HRW	64.0	74.4	0.31	93.6	11.0	61.7	3M
851416 OR8301134		6/86HRRAN17	HRW	63.2	70.7	0.35	87.9	11.3	63.6	3H
851417 OR8301455		86HRRAN18	HRW	61.6	67.3	0.40	81.8	10.6	58.2	3M
851418 OR8301457		86HRRAN19	HRW	62.8	68.8	0.39	84.1	11.5	58.9	2M
851419 OR8301481		86HRRAN20	HRW	62.4	70.1	0.36	87.0	11.6	59.2	2H
851420 OR8301482		86HRRAN21	HRW	62.8	70.3	0.36	86.8	11.4	59.6	4H
851421 OR8301585		86HRRAN22	HRW	62.4	70.5	0.31	89.6	11.9	59.5	2H
851422 OR8301654		86HRRAN23	HRW	64.4	68.5	0.41	82.4	11.2	61.1	2H
851423 OR8301714		86HRRAN24	HRW	65.2	68.4	0.33	86.5	11.9	59.5	4H
851424 OR8301719		86HRRAN25	HRW	63.6	69.9	0.35	87.1	14.7	57.1	2H
851425 OR8301962		86HRRAN26	HRW	59.6	65.7	0.47	76.4	11.7	61.0	3H
851426 OR8302038		86HRRAN27	HRW	62.8	68.7	0.46	80.0	11.5	62.2	8M
851427 OR8303372		86HRRAN28	HRW	59.2	69.4	0.43	82.2	11.3	59.2	2H
851428 OR8302306		86HRRAN29	HRW	55.6	68.6	0.45	80.7	11.8	60.4	2H
851429 OR8303898		86HRRAN30	HRW	62.8	68.9	0.44	81.5	12.1	58.2	2H

1/ Observed Values Corrected to 14% Moisture Basis.

5/ Particularly Promising Overall Quality Characteristics.

3/ Absorption at 14% Moisture Corrected to 12% Protein.

6/ Promising Overall Quality Characteristics.

4/ Observed Values Corrected to 12% Protein.

NURSCO 51

PENDLETON, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC 3/	MTIME	LVOL	LVOLC 4/	BCRGR	RMKS
851409	WANSER	C1013844	HRW	63.1	63.7	3.0	975	1016	5	
851410	CENTURA	86HRRAN12	HRW	64.6	64.3	3.7	930	911	4	
851411	OR8300027	86HRRAN13	HRW	61.4	62.4	3.3	880	942	4	Weak Mixo
851412	OR8300282	86HRRAN14	HRW	64.5	63.0	2.0	935	842	5	P-MTIME&LVOL
851413	OR8300602	86HRRAN15	HRW	64.0	64.2	2.5	920	932	5	Weak Mixo
851414	OR8300821	86HRRAN16	HRW	62.6	63.3	2.8	1000	1043	5	Weak Mixo
851415	OR8301078	86HRRAN17	HRW							Weak Mixo
851416	OR8301134	86HRRAN18	HRW							Weak Mixo
851417	OR8301455	86HRRAN19	HRW							Weak Mixo
851418	OR8301457	86HRRAN20	HRW	60.5	60.9	2.3	825	850	8	P-MTIME, LVOL&BCRGR
851419	OR8301481	86HRRAN21	HRW							Weak Mixo
851420	OR8301482	86HRRAN22	HRW							Weak Mixo
851421	OR8301585	86HRRAN23	HRW	61.5	62.3	2.0	825	875	4	P-MTIME&BCRGR
851422	OR8301654	86HRRAN24	HRW							Weak Mixo
851423	OR8301714	86HRRAN25	HRW	60.5	57.8	2.1	885	718	8	P-MTIME, LVOL&BCRGR
851424	OR8301719	86HRRAN26	HRW	61.9	62.2	2.8	945	964	6	P-FYELD, BCRGR
851425	OR8301962	86HRRAN27	HRW	63.4	63.9	3.6	935	966	5	Q-FYELD
851426	OR8302038	86HRRAN28	HRW							Weak Mixo
851427	OR8303372	86HRRAN29	HRW							Weak Mixo
851428	OR8302306	86HRRAN30	HRW							Weak Mixo
851429	OR8303898									

COMMENTS: Selections which had poor dough mixing (mixograph) properties were not baked. The entire nursery is abnormally poor in bread volume and crumb structure as demonstrated by the performance of Wanser and Centura. Experimental lines were judged accordingly.

P = Poor; Q = Questionable

NURSCO 52

PENDLETON, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/		1/	3/	
851430	KHARKOF	C1001442	HRW	63.6	70.2	0.34	88.0	11.4	61.0	1H
851431	WANSER	C1013844	HRW	65.2	70.8	0.32	89.3	10.7	61.3	4M
851432	NORSTAR		HRW	62.8	71.9	0.35	89.2	14.1	64.2	5H
851433	COLT	NE078696	HRW	65.2	71.5	0.32	90.5	12.5	62.2	4H
851434	RSK//CNO. S/GLLL	<u>5</u> /86CB10	SRW	65.6	70.3	0.35	88.3	11.1	56.4	3M
851435	CTK/4/NAI/DJ/VG...	86CB47	HRW	63.8	66.2	0.37	82.3	11.6	61.4	4M
851436	RPB1463/NAC76	86CB58	HRW	64.2	69.4	0.34	87.3	10.1	63.7	4M
851437	BPRES/IBRT	86CB64	HRW	64.0	61.9	0.40	75.9	10.6	63.3	4H
851438	RMN F12-71/JUP.S	86CB85	HRW	61.2	66.4	0.38	81.8	12.0	60.8	4M
851439	AU/3/MINN//HK/38MA/4/YMH/ERA	86CB108	SRW	60.8	62.7	0.42	74.4	11.8	55.2	2M
851440	BPRE.S/3/BNAM//RAP/PARA	86CB110	HRW	63.6	67.2	0.36	83.8	13.0	62.8	3H
851441	78W025001	<u>6</u> /86CB129	HRW	63.2	68.8	0.37	84.9	11.2	61.6	8M
851442	KAL/PMF/3/7C/CNO//CAL	86CB131	HRW	61.2	66.1	0.37	82.3	11.3	62.9	5H
851443	CTK/CNO. S//EMU.S	<u>6</u> /86CB163	HRW	64.0	68.2	0.36	84.7	11.7	63.7	4H
851444	ORCR8313	<u>5</u> /86HRCB7	HRW	64.8	69.8	0.33	87.8	10.2	62.1	8M
851445	ORCR8320	<u>5</u> /86HRCB8	HRW	64.0	72.0	0.32	90.8	10.7	61.6	6M
851446	ORCR8414	<u>6</u> /86HRCB9	HRW	63.6	67.9	0.31	87.0	11.7	63.5	4H
851447	ORCR8511	86HRCB11	HRW	63.6	63.8	0.38	79.3	11.4	63.5	3H
851448	S148/PCH.S	86HRC25	SRW	60.4	67.6	0.32	86.8	11.1	55.5	3M

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 11% Protein.

4/ Observed Values Corrected to 11% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 52

PENDLETON, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
8511430	KHARKOF	C1001442	HRW	61.1	60.7	1.0	860	837	8	
8511431	WANSER	C1013844	HRW	61.7	62.0	2.4	910	931	3	
8511432	NORSTAR		HRW	67.1	64.0	5.5	1015	823	3	
8511433	COLT	NE078696	HRW	64.4	62.9	2.9	960	867	2	
8511434	RSK//CNO.S/GLLL	86CB10	SRW	58.2	58.1	2.6	895	889	3	Equal to Wanser
8511435	CTK/4/NAI/DJ/VG...	86CB47	HRW	62.7	62.1	2.3	960	923	3	P-FYELD
8511436	RPB1463/NAC76	86CB58	HRW	63.5	64.4	2.1	870	926	4	Q-MTIME&BCRGR
8511437	BPRE.S/BRT	86CB64	HRW	65.6	66.0	3.6	810	835	5	P-FYELD&BCRGR
8511438	RMN F12-71/JUP.S	86CB85	HRW	64.0	63.0	3.1	875	813	6	P-FYELD&BCRGR
8511439	AU/3/MINN//HK/38MA/4/YMH/ERA	86CB108	SWW	56.7	55.9	1.2	755	707	9	P-FYELD,MTIME,LVOL&BCRGR
8511440	BPRE.S/3/BNAM//RAP/PARA	86CB110	HRW	66.0	64.0	3.0	900	776	2	Q-FYELD&LVOL
8511441	78W025001	86CB129	HRW	64.0	63.8	5.0	925	913	2	
8511442	KAL/PMF/3/7C/CNO//CAL	86CB131	HRW	64.9	64.6	4.3	915	896	2	Q-P-FYELD
8511443	CTK/CNO.S//EMU.S	86CB163	HRW	64.1	63.4	2.9	905	862	2	
8511444	ORCR8313	86HRCB7	HRW	63.0	63.8	4.8	810	860	2	
8511445	ORCR8320	86HRCB8	HRW	63.0	63.3	4.2	830	849	2	
8511446	ORCR8414	86HRCB9	HRW	65.9	65.2	2.8	920	877	4	Q-FYELD&BCRGR
8511447	ORCR8511	86HRCB11	HRW	64.6	64.2	2.0	875	850	6	P-FYELD,MTIME&BCRGR
8511448	ST48/PCH.S	86HRC25	SRW	55.8	55.7	1.8	905	899	6	P-MTIME&BCRGR

COMMENTS: Kharkoff is atypical in dough mixing and baking, but the other checks appear near normal. See "Remarks" for specific deficiencies of selections not noted as promising in overall quality.

p = Poor; Q = Questionable

NURSCO 53

PEND/CORV, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	CODI	CODIC	RMKS
					1/	1/		1/				4/	
8511449	STEPHENS-PENDLETON	C1017596	SWW	61.6	72.4	0.40	87.5	10.7	50.9	2M	9.30	9.38	
8511450	OR8401096S-PENDLETON	6/86SWRPN97	SWW	61.2	73.6	0.44	86.8	11.3	50.5	2M	9.06	9.21	
8511451	OR8401097S-PENDLETON	6/86SWRPN98	SWW	60.8	71.9	0.45	83.8	11.8	51.1	1H	9.21	9.41	
8511452	OR8401098H-PENDLETON	86SWRPN99	SWW	60.8	69.4	0.45	80.6	12.3	55.3	1H	9.05	9.30	Q-FYELD
8511453	OR8401142S-PENDLETON	86SWRPN100	HWW	60.8	74.3	0.46	85.9	11.3	57.7	3M	8.37	8.48	"HARD" P-CODI
8511454	OR8401159S-PENDLETON	86SWRPN101	HWW	63.2	73.4	0.43	86.6	9.7	56.3	2M	8.40	8.38	"HARD" P-CODI
8511455	OR8401161H-PENDLETON	86SWRPN102	HWW	63.2	72.6	0.43	85.8	9.8	55.5	2M	8.69	8.67	"HARD" P-CODI
8511456	OR8401256S-PENDLETON	86SWRPN103	SWW	60.8	69.2	0.40	83.4	10.5	50.6	2M	9.00	9.05	Q-FYELD
8511457	OR8401419S-PENDLETON	86SWRPN105	SWW	62.4	72.7	0.43	86.5	10.8	51.1	1H	8.84	8.93	Q-CODI
8511458	OR8401472S-PENDLETON	6/86SWRPN106	SWW	61.2	71.8	0.45	84.0	10.7	51.2	2M	8.96	9.04	Q-CODI
8511459	OR8401478S-PENDLETON	86SWRPN107	SWW	62.0	69.6	0.44	81.5	11.3	51.5	1H	8.71	8.86	Q-FYELD&CODI
8511460	OR8401479S-PENDLETON	86SWRPN108	SWW	61.6	69.7	0.48	79.3	11.0	51.3	2M	9.00	9.11	Q-FYELD, P-MSCOR
8511461	OR8301711S-PENDLETON	86SWRPN111	HWW	63.2	74.7	0.41	88.8	11.9	55.9	3M	8.45	8.60	"HARD" P-CODI
8511462	OR8401712H-PENDLETON	86SWRPN112	HWW	62.4	72.8	0.41	87.0	12.7	56.2	2H	8.39	8.60	"HARD"
8511463	OR8401714P-PENDLETON	86SWRPN113	HWW	62.4	73.1	0.46	84.7	12.2	56.7	2H	8.40	8.58	"HARD" P-CODI
8511464	OR8401882H-PENDLETON	86SWRPN115	HWW	61.2	69.9	0.45	81.9	11.0	57.5	4M	8.37	8.45	"HARD" P-CODI&P-FYELD
8511465	STEPHENS-CORVALLIS	C1017596	SWW	62.8	73.8	0.41	89.1	8.0	53.0	2L	9.12	8.90	
8511466	YAMHILL-CORVALLIS	C1014563	SWW	60.0	71.5	0.44	83.8	7.0	55.2	2L	9.22	8.89	
8511467	OR8401282S-CORVALLIS	86HWPYT104	SWW	63.2	71.0	0.40	86.1	8.1	53.2	1L	8.80	8.59	Q-CODI
8511468	OR8401633H-CORVALLIS	6/86HWPYT109	SWW	62.8	71.3	0.43	84.4	7.5	56.9	2M	9.01	8.74	
8511469	OR8401686H-CORVALLIS	6/86HWPYT110	SWW	64.4	72.5	0.35	90.9	9.0	56.1	2L	9.02	8.91	
8511470	OR8401737P-CORVALLIS	86HWPYT114	HWW	63.6	67.1	0.42	80.8	9.8	59.5	3M	7.97	7.96	"HARD" P-FYELD&CODI

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 10% Protein.

4/ Observed Values Corrected to 10% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

COMMENTS: NOTE: Several of these selections have hard endosperm. See "Remarks" for other major deficiencies of those not footnoted as promising.
See table below for bread data on 3 of the most promising HWW.

LABNUM	VARIETY	IDNO	CLASS	BABS	MTIME	LVOL	BCRGR	RMKS
8511453	OR8401142S-Pen.	86SWRPN100	HWW	60.7	1.9	910	5	P-MTIME&BCRGR
8511464	OR8401737P-Pen.	86SWRPN115	HWW	61.2	2.5	905	4	P-BCRGR
8511470	OR8401737P-COR.	86HWPYT114	HWW	62.2	2.5	700	9	VP-LVOL&BCRGR

P=Poor; Q = Questionable; VP = Very Poor

NURSCO 54

PENDLETON, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
851471 MCKAY		CI017903	HRS	60.4	69.4	0.38	85.2	12.6	63.7	5H
851472 SHASTA		CI003976	HRS	60.4	68.2	0.37	84.4	12.2	64.6	2H
851473 KODIAK			HRS	59.2	69.6	0.39	84.5	13.4	63.8	5H
851474 BORAH		CI017267	HRS	61.2	70.4	0.34	88.2	13.3	62.5	2H
851475 NK000751		NK761011	HRS	62.4	71.3	0.37	87.6	13.0	64.3	4H
851476 WESTBRED 906R		PI483455	HRS	60.4	69.2	0.36	86.1	14.0	62.9	3H
851477 WAMPUM		CI017691	HRS	63.2	68.0	0.35	85.2	12.2	62.5	2H
851478 TANAGER.S		6/ ORS8508	HRS	60.8	69.2	0.40	84.0	12.7	64.2	4H
851479 VEERY.S		ORS8509	HRS	60.0	65.8	0.45	77.5	13.0	62.4	3H
851480 MINIVET.S		6/ ORS8510	HRS	59.6	68.8	0.41	82.6	12.3	64.7	5H
851481 KVZ/3/TOB/CFN//BB/4/BLO		ORS8511	HRS	59.6	64.7	0.45	76.5	13.8	62.2	2H
851482 BOW.S		ORS8512	HRS	61.2	67.1	0.41	80.8	13.2	61.0	3H
851483 IAS20*2/H567 71//ALONDRA/3/H570-71/ERA*2		ORS8513	HRS	61.6	66.8	0.44	78.9	13.1	62.7	4H
851484 BUC.S		ORS8514	HRS	59.2	66.7	0.50	76.1	12.2	63.0	2H
851485 BUC.S/BJY.S		ORS8515	HRS	58.0	66.1	0.46	77.5	11.6	63.6	2H
851486 BUC.S/BJY.S		ORS8516	HRS	59.2	67.3	0.45	79.1	12.1	63.9	2H
851487 PC820120		ORS8517	HRS	57.6	66.3	0.45	78.1	12.5	64.4	2H
851488 GEN 81		ORS8518	HRS	58.4	64.2	0.49	73.7	13.4	62.3	4M
851489 TAN.S		ORS8519	HRS	59.2	67.6	0.42	81.1	12.6	64.4	4H
851490 BUC.S/PVN.S		ORS8520	HRS	59.6	68.5	0.45	80.4	12.8	62.2	2H
851491 MNVS		ORS8415	HRS	60.4	66.2	0.42	79.7	13.7	63.8	5H
851492 MPC770928		ORS8417	HRS	53.6	61.5	0.54	68.5	14.0	62.2	3H
851493 MPC770302		ORS8418	HRS	62.0	66.9	0.39	81.9	13.0	65.4	5H
851494 TITMOUSE.S		6/ ORS8422	HRS	62.0	68.2	0.39	83.0	13.8	67.4	3H
851495 JUP/BJY.S		ORS8425	HRS	62.4	65.9	0.37	81.9	14.1	68.2	6H
851496 HORK/YMH//KAL/BB		ORS8413	HRS	54.8	65.8	0.48	76.1	14.1	67.6	6H
851497 MPC770062		ORS8416	HRS	56.0	66.9	0.48	77.1	14.4	67.8	7H
851498 JUP73/4/7C/PATO/R/3/LR64/INIA//INIA/BB.6/		ORS8420	HRS	58.0	67.9	0.47	78.8	13.6	65.5	5H
851499 JUP73/4/7C/PATO/R/3/LR64/INIA//INIA/BB..		ORS8421	HRS	57.6	68.5	0.47	79.6	13.4	65.1	5H

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 13% Protein.

4/ Observed Values Corrected to 13% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 54

PENDLETON, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
851471	MCKAY	C1017903	HRS	64.5	64.9	5.3	1090	1115	2	
851472	SHASTA	C1003976	HRS	64.5	65.3	2.2	1030	1080	2	
851473	KODIAK		HRS	65.4	65.0	4.7	1050	1025	2	
851474	BORAH	C1017267	HRS	64.0	63.7	2.6	1115	1096	2	
851475	NK000751	NK761011	HRS	65.5	65.5	3.4	1175	1175	2	
851476	WESTBRED 906R	P1483455	HRS	65.6	64.6	3.0	1155	1093	2	
851477	WAMPUM	C1017691	HRS	62.9	63.7	2.2	1010	1060	4	
851478	TANAGER.S	ORS8508	HRS	65.6	65.9	2.9	1075	1094	2	
851479	VEERY.S	ORS8509	HRS	64.1	64.1	2.6	1000	1000	5	P-FYELD Q-BCRGR
851480	MINIVET.S	ORS8510	HRS	65.7	66.4	4.3	1075	1118	2	
851481	KVZ/3/TOB/CFN//BB/4/BLO	ORS8511	HRS	64.7	63.9	2.4	980	930	5	P-FYELD&BCRGR
851482	BOW.S	ORS8512	HRS	62.9	62.7	3.1	1050	1038	5	Q-FYELD&BCRGR
851483	IAS20*2/H567 71//ALONDRA/3/H570-71/ERA*2	ORS8513	HRS	64.5	64.4	4.0	1110	1104	2	P-FYELD,Good Baking
851484	BUC.S	ORS8514	HRS	62.9	63.7	1.7	895	945	8	P-MTIME, LVOL&BCRGR
851485	BUC.S/BJY.S	ORS8515	HRS	63.4	64.8	2.1	885	972	8	P-MTIME, LVOL&BCRGR
851486	BUC.S/BJY.S	ORS8516	HRS	64.7	65.6	3.2	960	1016	8	P-MSCOR&BCRGR
851487	PC820120	ORS8517	HRS	65.6	66.1	2.4	925	956	7	P-FYELD, LVOL&BCRGR
851488	GEN 81	ORS8518	HRS	64.4	64.0	2.6	955	930	6	P-FYELD, LVOL&BCRGR
851489	TAN.S	ORS8519	HRS	65.7	66.1	4.1	1010	1035	4	Q-FYELD&BCRGR
851490	BUC.S/PVN.S	ORS8520	HRS	63.7	63.9	1.9	970	982	6	P-MTIME, LVOL&BCRGR
851491	MNVS	ORS8415	HRS	66.2	65.5	4.3	1125	1082	1	P-FYELD
851492	MPC770928	ORS8417	HRS	64.9	63.9	3.1	1030	968	2	VP-FYELD
851493	MPC770302	ORS8418	HRS	67.1	67.1	4.6	1070	1070	4	P-FYELD Q-BCRGR
851494	TITMOUSE.S	ORS8422	HRS	69.9	69.1	3.0	1085	1035	2	P-FYELD
851495	JUP/BJY.S	ORS8425	HRS	71.0	69.9	4.4	1040	972	3	P-FYELD
851496	HORK/YMH//KAL/BB	ORS8413	HRS	70.9	69.8	4.6	1135	1067	2	P-FYELD
851497	MPC770062	ORS8416	HRS	70.9	69.5	6.9	1160	1073	2	
851498	JUP73/4/7C/PATO/R/3/LR64/INIA//INIA/BB..	ORS8420	HRS	67.8	67.2	5.0	1105	1068	3	Q-FYELD
851499	JUP73/4/7C/PATO/R/3/LR64/INIA//INIA/BB..	ORS8421	HRS	66.2	65.8	4.7	1085	1060	3	Q-FYELD

COMMENTS: Few of the selections have satisfactory HRS quality. Either they are deficient in milling and/or baking properties. See "Remarks" for specific problems.

P = Poor; VP = Very Poor' Q = Questionable

NURSCO 55

CORVALLIS, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH 1/	MSCOR	FPROT 1/	MABSC 3/	MTYPE
851500 MCKAY		C1017903	HRS	64.0	73.4	0.37	89.9	8.1	56.2	8L
851501 SHASTA		C1003976	HRS	64.0	67.7	0.36	84.2	8.7	56.1	6L
851502 KODIAK			HRS	60.8	71.6	0.37	88.0	9.3	57.9	6L
851503 BORAH		C1017267	HRS	64.0	69.0	0.33	87.4	9.6	58.4	7M
851504 NK000751		NK761011	HRS	63.2	71.9	0.35	88.9	9.0	59.9	8M
851505 WESTBRED 906R		P11483455	HRS	63.2	68.6	0.35	85.5	10.1	59.6	8M
851506 WAMPUM		C1017691	HRS	64.4	68.1	0.36	84.9	9.2	59.6	4M
851507 TANAGER.S		ORS8508	HRS	64.8	67.0	0.35	84.1	8.9	59.8	4M
851508 VEERY.S		ORS8509	HRS	64.4	67.0	0.37	82.8	9.5	57.5	3M
851509 MINIVET.S		6/ ORS8510	HRS	65.2	68.5	0.35	85.8	10.2	60.1	8M
851510 KVZ/3/TOB/CFN//BB/4/BLO		ORS8511	HRS	64.4	67.2	0.35	84.4	10.6	56.8	3M
851511 BOW.S		ORS8512	HRS	65.6	68.3	0.36	85.0	9.3	58.1	3M
851512 IAS20*2/H567.71//ACONDRA/3/H570.71/...		ORS8513	HRS	64.8	67.2	0.39	82.0	10.2	58.6	6M
851513 BUC.S		ORS8514	HRS	63.2	69.2	0.38	84.8	9.2	57.8	2M
851514 BUC.S/BJY.S		ORS8515	HRS	63.2	68.7	0.34	86.2	9.0	59.3	3M
851515 BUC.S/BJY.S		ORS8516	HRS	63.2	68.3	0.34	85.8	9.4	61.1	4M
851516 PC820120		ORS8517	HRS	64.0	68.8	0.35	86.1	9.1	60.2	3M
851517 GEN 81		ORS8518	HRS	64.4	64.4	0.39	79.1	9.5	58.0	7M
851518 TAN.S		ORS8519	HRS	65.6	66.9	0.36	83.7	8.6	59.2	6L
851519 BUC.S/PVN.S		ORS8520	HRS	66.0	67.6	0.37	83.7	9.4	59.1	3M
851520 MNV S		ORS8415	HRS	66.0	66.9	0.37	83.0	9.7	60.1	8M
851521 MPC770928		ORS8417	HRS	63.6	64.6	0.43	77.5	8.9	59.3	4L
851522 MPC770302		ORS8418	HRS	65.2	66.6	0.33	84.7	9.4	60.7	8M
851523 TITMOUSE.S		ORS8422	HRS	64.0	67.7	0.36	84.4	9.8	62.2	6M
851524 JUP/BJY.S		ORS8425	HRS	64.8	64.5	0.34	81.8	10.0	62.0	8M
851525 HORK/YMH//KAL/BB		ORS8413	HWS	63.6	69.3	0.35	86.6	8.2	61.1	6L
851526 MPC770062		ORS8416	HWS	65.2	68.0	0.35	85.1	8.9	59.5	8L
851527 JUP73/4/7C/PATO/R/3/LR64/INIA//...		6/ ORS8420	HWS	62.8	69.2	0.35	86.2	9.0	59.3	8L
851528 JUP73/4/7C/PATO/R/3/LR64/INIA//...		6/ ORS8421	HWS	62.8	69.3	0.35	86.7	9.1	59.6	8L

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 9% Protein.

4/ Observed Values Corrected to 9% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 55

CORVALLIS, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
851500 MCKAY		C1017903	HRS	57.0	57.9	5.6	775	831	3	
851501 SHASTA		C1003976	HRS	58.5	58.8	3.6	735	754	2	
851502 KODIAK			HRS	59.9	59.6	5.6	815	796	4	
851503 BORAH		C1017267	HRS	60.7	60.1	3.5	775	738	3	
851504 NK000751		NK761011	HRS	61.6	61.6	4.2	860	860	2	
851505 WESTBRED 906R		P11483455	HRS	62.4	61.3	4.3	830	762	2	
851506 WAMPUM		C1017691	HRS	60.5	60.3	2.5	730	718	5	
851507 TANAGER.S		ORS8508	HRS	61.4	61.5	3.4	760	766	4	Q-FYELD&BCRGR
851508 VEERY.S		ORS8509	HRS	59.7	59.2	3.1	675	644	4	P-FYELD Q-LVOL&BCRGR
851509 MINIVET.S		ORS8510	HRS	63.0	61.8	3.6	840	766	4	Q-FYELD&BCRGR
851510 KVZ/3/TOB/CFN//BB/4/BL0		ORS8511	HRS	60.1	58.5	2.3	750	651	6	P-FYELD, LVOL&BCRGR
851511 BOW.S		ORS8512	HRS	60.1	59.8	3.4	675	656	7	Q-FYELD P-LVOL&BCRGR
851512 IAS20*2/H567.71//ACONDRA/3/H570.71/...		ORS8513	HRS	61.5	60.3	3.5	765	691	6	Q-FYELD&BCRGR
851513 BUC.S		ORS8514	HRS	58.2	58.0	1.5	770	758	8	P-MTIME&BCRGR
851514 BUC.S/BJY.S		ORS8515	HRS	60.0	60.0	2.0	755	755	8	P-MTIME&BCRGR
851515 BUC.S/BJY.S		ORS8516	HRS	62.2	61.8	2.2	785	760	7	P-MTIME&BCRGR
851516 PC820120		ORS8517	HRS	61.0	60.9	2.1	715	709	8	P-MTIME, LVOL&BCRGR
851517 GEN 81		ORS8518	HRS	60.2	59.7	3.4	645	614	9	P-FYELD, LVOL&BCRGR
851518 TAN.S		ORS8519	HRS	60.5	60.9	3.6	735	760	8	P-BCRGR
851519 BUC.S/PVN.S		ORS8520	HRS	61.2	60.8	2.8	710	685	8	P-LVOL&BCRGR
851520 MNV S		ORS8415	HRS	62.5	61.8	4.1	700	657	6	P-FYELD, LVOL&BCRGR
851521 MPC770928		ORS8417	HRS	60.9	61.0	3.4	660	666	8	P-FYELD, LVOL&BCRGR
851522 MPC770302		ORS8418	HRS	62.8	62.4	3.6	700	675	6	P-FYELD, LVOL&BCRGR
851523 TITMOUSE.S		ORS8422	HRS	64.7	63.9	3.5	780	730	4	Q-FYELD&BCRGR
851524 JUP/BJY.S		ORS8425	HRS	64.7	63.7	5.7	665	603	6	P-FYELD, BCRGR
851525 HORK/YMH//KAL/BB		ORS8413	HWS	62.0	62.8	4.0	715	765	6	P-LVOL&BCRGR
851526 MPC770062		ORS8416	HWS	61.1	61.2	4.7	650	656	8	P-LVOL&BCRGR
851527 JUP73/4/7C/PATO/R/3/LR64/INIA//...		ORS8420	HWS	61.0	61.0	4.4	775	775	4	Q-BCRGR
851528 JUP73/4/7C/PATO/R/3/LR64/INIA//...		ORS8421	HWS	61.4	61.3	4.4	750	744	4	Q-BCRGR

COMMENTS: Only three of these selections have much promise in overall quality. Either they are poor in flour yield and/or baking characteristics. See "Remarks" for deficiencies. Those footnoted as "Promising" are marginal.

Q = Questionable; P = Poor

NURSCO 56

MADRAS, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH		MSCOR	FPROT	MABSC	MTYPE	CODI	CODIC RMKS	
						1/							1/	4/
851529	ID0046/ID0053/FIELDWIN	5/ORS8501 ORS8502 ORS8503 ORS8504 ORS8505	SWS	64.4	71.4	0.36		89.2	8.1	55.0	2M	9.42	9.11	P-FYELD
851530	ALD.S/4/CMH72.428/MRC//JUP/3/CMH74A.582		SWS	60.4	63.3	0.46		72.3	10.3	53.3	2M	8.94	8.86	P-FYELD
851531	CIGUENA//KAL/BS		SWS	59.2	65.0	0.45		75.1	12.0	57.6	3M	8.79	8.90	P-FYELD
851532	BSC50/CAN.S//VEE		SWS	57.2	61.7	0.50		67.5	11.4	54.0	1H	8.69	8.73	P-FYELD Q-CODI
851533	BSV50/CAN.S//VEE		SWS	58.4	61.9	0.45		73.3	11.4	59.4	3H	8.56	8.61	P-FYELD&CODI
851534	JUN.S	6/ORS8506 ORS8507 CI017904 CI014588 CI017745	SWS	58.0	64.3	0.43		75.6	12.0	57.8	5H	8.61	8.72	P-FYELD
851535	VPM/MOS//TORIM		SWS	58.4	68.8	0.46		79.3	12.2	57.3	6M	9.09	9.22	
851536	OWENS		SWS	60.8	67.5	0.41		80.8	10.6	55.0	2M	9.07	9.03	
851537	TWIN		SWS	60.8	69.6	0.45		81.0	10.4	55.1	2M	9.10	9.01	
851538	DIRKWIN		SWS	59.6	70.2	0.45		81.8	10.2	53.2	1M	9.11	9.02	
851539	JUN.S	6/ORS8427 ORS8428 ORS8429 ORS8430	SWS	61.2	68.4	0.42		81.6	11.2	56.9	6M	9.00	9.02	Q-FYELD
851540	CMT/MO//TRM		SWS	61.6	66.2	0.40		79.8	11.3	55.2	3M	9.12	9.16	P-FYELD
851541	CMT/YR//MON.S		SWS	61.2	66.5	0.41		79.5	11.4	56.2	2M	8.84	8.88	P-FYELD
851542	BSV50/CAN.S//VEE.S		SWS	57.6	63.7	0.51		69.8	11.2	54.7	2M	8.79	8.81	P-FYELD

1/ Observed Values Corrected to 14% Moisture Basis.3/ Absorption at 14% Moisture Corrected to 11% Protein.4/ Observed Values Corrected to 11% Protein.5/ Particularly Promising Overall Quality Characteristics.6/ Promising Overall Quality Characteristics.

COMMENTS: It appears this Madras nursery produced spring wheat atypical for flour yield as indicated by the check varieties. Experimentals were judged accordingly.

P = Poor; Q = Questionable

NURSCO 57

CORVALLIS, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	CODI	CODIC RMKS
						1/ 1/		1/ 1/	3/ 3/			4/ 4/
851543	ID0046/ID0053//FIELDWIN	5/ ORS8501	SWS	64.4	72.0	0.38	88.4	7.2	53.4	2L	9.30	9.21
851544	ALD.S/4/CMH72.428/MRC//JUP/3/CHM74A.582	5/ ORS8502	SWS	62.0	65.2	0.47	74.1	8.9	50.3	3M	8.72	8.82 P-FYELD
851545	CIGUENA//KAL/BB	6/ ORS8503	SWS	64.8	69.1	0.40	83.7	8.5	54.5	2L	9.01	9.07
851546	BSC50/CAN.S//VEE	ORS8504	SWS	62.4	63.0	0.45	72.9	8.9	50.2	2M	9.11	9.21 VP-FYELD
851547	BSV50/CAN.S//VEE	ORS8505	SWS	62.8	65.3	0.46	75.3	9.7	53.7	3M	8.65	8.84 P-FYELD
851548	JUN.S	5/ ORS8506	SWS	62.8	70.6	0.35	88.4	9.4	55.0	6M	9.21	9.37
851549	VPM/MOS//TORIM	5/ ORS8507	SWS	62.4	71.1	0.37	88.3	9.5	54.5	8L	9.26	9.43
851550	OWENS	C1017904	SWS	63.2	70.2	0.38	86.2	7.8	52.1	2L	9.46	9.44
851551	TWIN	C1014588	SWS	60.8	70.8	0.44	83.5	7.6	52.3	1L	9.32	9.27
851552	DIRKWIN	C1017745	SWS	60.8	69.7	0.42	83.4	7.4	50.5	2L	9.11	9.05

1/ Observed Values Corrected to 14% Moisture Basis.3/ Absorption at 14% Moisture Corrected to 8% Protein.4/ Observed Values Corrected to 8% Protein.5/ Particularly Promising Overall Quality Characteristics.6/ Promising Overall Quality Characteristics.

COMMENTS: Selections ORS8501, 06, and 07 are excellent soft white springs. ORS8503 is equal to Twin and Dirkwin in overall quality.

P = Poor; VP = Very Poor

NURSCO 58

MORO, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						<u>1/</u>		<u>1/</u>	<u>3/</u>	
851553	MCKAY	C1017903	HRS	60.8	69.8	0.41	83.8	12.5	63.7	7H
851554	SHASTA	C1003976	HRS	62.0	69.0	0.41	82.8	12.8	63.9	3H
851555	KODIAK		HRS	58.4	70.0	0.44	82.3	13.7	63.5	5H
851556	BORAH	C1017267	HRS	60.8	71.1	0.36	87.6	13.3	63.5	3H
851557	NK000751	NK761011	HRS	62.8	71.1	0.42	84.8	12.2	63.3	4H
851558	WESTBRED 906R	PI483455	HRS	62.4	70.0	0.39	85.2	13.8	63.1	4H
851559	WAMPUM	C1017691	HRS	61.6	68.1	0.42	81.4	12.4	63.1	3H
851560	TANAGER. S	<u>6/</u> ORS8508	HRS	61.2	68.6	0.42	81.9	13.0	64.2	4H
851561	VEERY. S	ORS8509	HRS	61.2	67.1	0.48	77.5	12.8	62.1	3H
851562	MINIVET. S	<u>6/</u> ORS8510	HRS	60.0	69.1	0.43	81.9	12.0	64.7	8M
851563	KVZ/3/T0B/CFN//BB/4/BLO	ORS8511	HRS	62.0	67.2	0.45	79.2	12.7	61.1	4M
851564	BOW. S	ORS8512	HRS	62.4	68.5	0.44	80.8	12.7	61.2	3H
851565	IAS20*2//H567.71//ALONDRA/3/RH570.7... <u>6/</u>	ORS8513	HRS	62.8	68.6	0.43	81.7	12.6	62.4	4H
851566	BUC. S	ORS8514	HRS	59.2	68.3	0.52	76.7	11.5	63.0	2H
851567	BUC. S/BJY. S	ORS8515	HRS	58.8	67.2	0.47	78.1	11.2	64.7	2H
851568	BUC. S/BJY. S	ORS8516	HRS	59.2	67.4	0.47	78.3	12.3	65.4	2H
851569	PC820120	ORS8517	HRS	59.2	67.1	0.47	78.0	11.9	66.1	3H
851570	GEN 81	ORS8518	HRS	61.6	66.9	0.46	78.3	12.3	61.2	4M
851571	TAN. S	ORS8519	HRS	60.0	67.7	0.44	80.3	12.6	66.4	5H
851572	BUC. S/PUN. S	ORS8520	HRS	61.2	69.8	0.45	81.7	12.1	62.6	2H
851573	MNV S	ORS8415	HRS	62.4	67.4	0.41	81.2	12.8	66.2	5H
851574	MPC770928	ORS8417	HRS	54.8	63.4	0.54	70.3	13.6	61.7	3H
851575	MPC770302	<u>6/</u> ORS8418	HRS	61.6	68.4	0.41	82.2	13.0	67.0	5H
851576	TITMOUSE. S	<u>6/</u> ORS8422	HRS	62.0	67.4	0.43	80.5	13.2	67.3	3H
851577	JUP/BJY. S	ORS8425	HRS	62.4	67.0	0.38	82.3	13.2	68.3	6H
851578	HORK/YMH//KAL/BB	<u>6/</u> ORS8413	HWS	58.4	68.7	0.46	80.0	12.3	66.5	5H
851579	MPC770062	<u>6/</u> ORS8416	HWS	58.0	67.2	0.48	77.7	13.5	67.7	7H
851580	JUP73/4/7C/PATO/R/3/LR64/INIA//INIA... <u>6/</u>	<u>6/</u> ORS8420	HWS	59.2	69.4	0.49	79.1	12.6	63.6	4H
851581	JUP73/4/7C/PATO/R/3/LR64/INIA//INIA... <u>6/</u>	<u>6/</u> ORS8421	HWS	58.8	69.7	0.49	79.6	12.8	63.7	5H

1/ Observed Values Corrected to 14% Moisture Basis.3/ Absorption at 14% Moisture Corrected to 13% Protein.4/ Observed Values Corrected to 13% Protein.5/ Particularly Promising Overall Quality Characteristics.6/ Promising Overall Quality Characteristics.

NURSCO 58

MORO, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC 3/	MTIME	LVOL	LVOLC 4/	BCRGR	RMKS
851553 MCKAY		C1017903	HRS	64.9	65.4	6.7	1105	1136	2	
851554 SHASTA		C1003976	HRS	65.4	65.6	2.9	1000	1012	2	
851555 KODIAK			HRS	65.9	65.2	5.5	1055	1012	2	
851556 BORAH		C1017267	HRS	65.5	65.2	3.1	1055	1036	2	
851557 NK000751		NK761011	HRS	64.2	65.0	3.6	1060	1110	2	
851558 WESTBRED 906R		PI483455	HRS	65.6	64.8	3.9	1140	1090	2	
851559 WAMPUM		C1017691	HRS	64.2	64.8	2.8	1000	1037	4	
851560 TANAGER. S		ORS8508	HRS	65.9	65.9	3.0	1025	1025	3	Q-BCRGR
851561 VEERY. S		ORS8509	HRS	63.6	63.8	3.2	950	962	4	Q-FYELD, LVOL&BCRGR
851562 MINIVET. S		ORS8510	HRS	65.4	66.4	4.7	1035	1097	3	Q-BCRGR
851563 KVZ/3/TOB/CFN//BB/4/BLO		ORS8511	HRS	62.5	62.8	3.0	940	959	5	Q-FYELD&BCRGR
851564 BOW. S		ORS8512	HRS	62.6	62.9	3.6	1015	1034	5	Q-BCRGR
851565 IAS20*2//H567.71//ALONDRA/3/RH570.7...		ORS8513	HRS	63.7	64.1	3.3	1025	1050	3	Q-BCRGR
851566 BUC. S		ORS8514	HRS	61.7	63.2	1.4	900	993	8	P-MTIME&BCRGR
851567 BUC.S/BJY.S		ORS8515	HRS	63.1	64.9	1.7	875	987	8	P-MTIME&BCRGR
851568 BUC.S/BJY.S		ORS8516	HRS	64.9	65.6	1.9	960	1003	8	P-MTIME&BCRGR
851569 PC820120		ORS8517	HRS	64.7	65.8	2.2	930	998	8	P-MTIME&BCRGR
851570 GEN 81		ORS8518	HRS	62.2	62.9	2.9	910	953	6	P-FYELD, LVOL&BCRGR
851571 TAN. S		ORS8519	HRS	67.7	68.1	3.7	1035	1060	5	Q-BCRGR
851572 BUC.S/PUN. S		ORS8520	HRS	62.4	63.3	1.4	940	996	4	P-MTIME&BCRGR
851573 MNV S		ORS8415	HRS	66.2	66.4	4.2	1110	1122	3	Q-FYELD&BCRGR
851574 MPC770928		ORS8417	HRS	64.0	63.4	3.4	985	948	2	VP-FYELD
851575 MPC770302		ORS8418	HRS	68.7	68.7	3.6	1055	1055	3	
851576 TITMOUSE. S		ORS8422	HRS	67.7	67.5	3.0	1040	1028	2	Q-FYELD
851577 JUP/BJY. S		ORS8425	HRS	70.2	70.0	5.7	1000	988	2	Q-FYELD
851578 HORK/YMH//KAL/BB		ORS8413	HWS	67.5	68.2	5.2	1035	1078	3	Q-FYELD
851579 MPC770062		ORS8416	HWS	68.9	68.4	6.4	1150	1119	2	Q-FYELD
851580 JUP73/4/7C/PATO/R/3/LR64/INIA//INIA...		ORS8420	HWS	63.9	64.3	3.2	1050	1075	3	Q-FASH&BCRGR
851581 JUP73/4/7C/PATO/R/3/LR64/INIA//INIA...		ORS8421	HWS	63.7	63.9	3.1	1040	1052	3	Q-BCRGR

COMMENTS: Please note that the selections footnoted as promising are marginal for one quality factor or another. Flour yield, short dough mixing time, and heavy and coarse bread crumb grain are most common deficiency.

Q = Questionable; P = Poor; VP = Very Poor

NURSCO 59

MADRAS, OR

W.E. KRONSTAD

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH 1/	MSCOR	FPROT 1/	MABSC 3/	MTYPE
851582	MCKAY	C1017903	HRS	61.2	69.3	0.38	85.2	10.5	62.0	8M
851583	SHASTA	C1003976	HRS	62.0	68.0	0.39	83.2	10.9	61.3	6M
851584	BORAH	C1017267	HRS	64.0	69.7	0.35	87.0	10.3	60.7	4M
851585	NK000751	NK761011	HRS	63.2	71.0	0.39	86.1	10.4	61.8	6M
851586	WESTBRED 906R	PI483455	HRS	62.0	68.4	0.40	83.0	11.8	60.4	4H
851587	WAMPUM	C1017691	HRS	62.4	68.3	0.41	82.5	11.0	61.8	4H
851588	TANAGER.S	ORS8508	HRS	62.4	66.3	0.41	80.4	11.5	61.8	6M
851589	VEERY.S	ORS8509	HRS	61.6	66.1	0.44	78.6	11.5	59.7	6M
851590	MINIVET.S	6/ ORS8510	HRS	62.8	68.1	0.40	82.7	10.9	61.3	8M
851591	KVZ/3/T0B/CFN//BB/4/BLO	ORS8511	HRS	63.6	66.2	0.37	82.0	10.5	58.4	3M
851592	BOW.S	ORS8512	HRS	62.4	67.1	0.38	82.4	11.8	58.4	6M
851593	LAS20*2/H567.71//ALONDRA/3/HR570.71/...	ORS8513	HRS	61.6	66.4	0.44	78.9	11.6	60.7	6M
851594	BUC.S	ORS8514	HRS	57.6	66.8	0.49	76.7	11.1	61.4	2H
851595	BUC.S/BJY.S	ORS8515	HRS	56.4	65.3	0.45	77.3	11.2	62.0	3H
851596	BUC.S/BJY.S	ORS8516	HRS	59.2	66.7	0.42	80.3	11.2	63.5	3H
851597	PC820120	ORS8517	HRS	60.4	66.7	0.42	79.9	10.5	63.8	4M
851598	GEN 81	ORS8518	HRS	64.0	65.7	0.42	79.3	10.2	59.5	3M
851599	TAN.S	ORS8519	HRS	62.4	68.6	0.40	82.9	10.5	61.9	3M
851600	BUC.S/PVN.S	ORS8520	HRS	63.2	67.5	0.40	81.9	11.2	61.6	4H
851601	MNV S	6/ ORS8415	HRS	65.2	68.5	0.39	83.4	10.1	63.8	8M
851602	MPC770928	ORS8417	HRS	56.4	62.0	0.41	75.7	11.9	60.0	6M
851603	MPC770302	ORS8418	HRS	60.0	65.9	0.38	81.5	12.3	64.2	6H
851604	TITMOUSE.S	ORS8422	HRS	61.6	66.0	0.39	80.8	11.2	64.8	5H
851605	JUP/BJY.S	ORS8425	HRS	62.8	66.0	0.38	81.3	11.8	65.4	6H
851606	HORK/YMH//KAL/BB	ORS8413	HWS	60.8	67.5	0.40	82.1	10.3	63.1	8M
851607	MPC770062	ORS8416	HWS	61.6	68.1	0.40	82.4	10.6	62.9	8M
851608	JUP73/4/7C/PAT0/R/3/LR64/INIA//...	6/ ORS8420	HWS	60.8	68.2	0.41	82.4	10.4	62.3	8M
851609	JUP73/4/7C/PAT0/R/3/LR64/INIA//...	6/ ORS8421	HWS	58.0	68.6	0.44	81.2	12.0	64.2	6H

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 11% Protein.

4/ Observed Values Corrected to 11% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 59

MADRAS, OR

W.E. KRONSTAD

I ABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
851582	MCKAY	C1017903	HRS	63.2	63.7	5.1	1010	1041	2	
851583	SHASTA	C1003976	HRS	62.9	63.0	3.3	915	921	2	
851584	BORAH	C1017267	HRS	61.7	62.4	2.9	850	893	4	
851585	NK000751	NK761011	HRS	62.4	63.0	3.6	985	1022	2	
851586	WESTBRED 906R	PI483455	HRS	62.9	62.1	4.0	975	925	2	
851587	WAMPUM	C1017691	HRS	63.5	63.5	3.0	930	930	2	
851588	TANAGER.S	ORS8508	HRS	64.0	63.5	3.5	905	874	4	P-FYELD Q-BCRGR
851589	VEERY.S	ORS8509	HRS	61.9	61.4	3.0	805	774	7	P-FYELD, LVOL&BCRGR
851590	MINIVET.S	ORS8510	HRS	62.9	63.0	4.2	900	906	4	Q-BCRGR
851591	KVZ/3/T0B/CFN//BB/4/BLO	ORS8511	HRS	59.6	60.1	2.4	775	806	6	P-FYELD, LVOL&BCRGR
851592	BOW.S	ORS8512	HRS	60.9	60.1	3.5	875	825	6	P-LVOL&BCRGR
851593	IAS20*2/H567.71//ALONDRA/3/HR570.71/...	ORS8513	HRS	63.0	62.4	4.1	960	923	5	P-FYELD&BCRGR
851594	BUC.S	ORS8514	HRS	62.2	62.1	1.8	905	899	7	P-MTIME&BCRGR
851595	BUC.S/BJY.S	ORS8515	HRS	63.9	63.7	2.2	910	898	7	P-FYELD, MTIME&BCRGR
851596	BUC.S/BJY.S	ORS8516	HRS	63.9	63.7	2.2	935	923	5	P-FYELD, MTIME&BCRGR
851597	PC820120	ORS8517	HRS	64.0	64.5	2.3	875	906	5	P-FYELD, MTIME&BCRGR
851598	GEN 81	ORS8518	HRS	60.4	61.2	2.5	735	785	8	P-FYELD, LVOL&BCRGR
851599	TAN.S	ORS8519	HRS	61.6	62.1	1.7	850	881	7	P-BCRGR
851600	BUC.S/PVN.S	ORS8520	HRS	63.5	63.3	2.8	930	918	5	Q-BCRGR
851601	MNV S	ORS8415	HRS	64.6	65.5	4.3	890	946	3	Q-BCRGR
851602	MPC770928	ORS8417	HRS	62.6	61.7	3.3	890	834	6	VP-FYELD&BCRGR
851603	MPC770302	ORS8418	HRS	67.2	65.9	4.5	975	894	2	P-FYELD
851604	T1TMOUSE.S	ORS8422	HRS	66.7	66.5	3.7	890	878	2	P-FYELD
851605	JUP/BJY.S	ORS8425	HRS	67.9	67.1	5.3	885	835	4	P-FYELD, LVOL&BCRGR
851606	HORK/YMH//KAL/BB	ORS8413	HWS	64.1	64.8	4.7	850	893	5	Q-FYELD&BCRGR
851607	MPC770062	ORS8416	HWS	64.2	64.6	4.5	920	945	4	Q-BCRGR
851608	JUP73/4/7C/PATO/R/3/LR64/INIA//...	ORS8420	HWS	62.4	63.0	5.3	875	912	2	
851609	JUP73/4/7C/PATO/R/3/LR64/INIA//...	ORS8421	HWS	64.9	63.9	5.8	970	908	3	Q-BCRGR

COMMENTS: Note that the selections footnoted have some questionable character and should therefore be treated as marginal in overall quality. It only denotes that these are probably the best selections overall.

P = Poor; Q = Questionable; VP = Very Poor

NURSCO 60

CULDESAC, ID

W. MCPROUD

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH 1/	MSCOR	FPROT 1/	MABSC 3/
851610	PBI-80-WW-3		6/ SWW	58.4	66.0	0.43	78.9	10.3	56.6
851611	PBI-80-WW-6		6/ SWW	58.0	65.4	0.42	78.4	9.9	56.4
851612	PBI-80-WW-5		6/ SWW	59.2	65.6	0.43	78.5	10.3	56.1
851613	PBI-79-WW-96A		SWW	56.8	64.0	0.42	76.5	11.2	57.6
851614	PBI-79-WW-130B		SWW	56.8	62.8	0.44	74.2	11.4	57.9
851615	PBI-79-WW-130A		SWW	56.6	63.8	0.44	75.5	11.2	57.0
851616	PBI-80-WW-23		SWW	58.6	65.0	0.43	77.4	10.5	57.4
851617	PBI-79-WW-57A		6/ SWW	55.6	67.6	0.48	76.4	11.0	56.5
851618	PBI-80-WW-1		5/ SWW	57.4	67.7	0.39	83.6	10.2	56.1
851619	PBI-80-WW-9		6/ SWW	59.6	65.6	0.41	79.6	10.2	56.1
851620	PBI-83-WW-36		SWW	58.8	63.6	0.40	77.6	11.4	54.9
851621	PBI-83-WW-41		SWW	59.2	66.3	0.35	84.1	10.5	54.6
851622	PBI-83-WW-23		SWW	58.4	65.3	0.42	78.2	11.3	54.9
851623	PBI-83-WW-57		5/ SWW	61.2	66.9	0.36	84.1	10.4	54.5
851624	PBI-83-WW-35		6/ SWW	59.6	66.0	0.39	81.3	10.5	55.8
851625	PBI-83-WW-58		5/ SWW	61.6	68.7	0.36	86.5	10.4	54.3
851626	PBI-83-WW-12		6/ SWW	60.2	67.4	0.40	81.3	11.0	53.9
851627	PBI-83-WW-176		5/ SWW	61.0	71.5	0.38	87.9	11.0	54.0
851628	PBI-83-WW-42		SWW	55.6	66.8	0.41	80.3	11.5	53.8
851629	PBI-83-WW-11		5/ SWW	60.0	67.4	0.39	82.3	11.0	53.9
851630	PBI-83-WW-34		SWW	59.2	68.5	0.41	82.3	11.1	54.3
851631	PBI-83-WW-22		SWW	60.0	67.2	0.40	80.9	11.4	50.5
851632	PBI-83-WW-56		5/ SWW	59.2	73.4	0.37	91.2	10.5	51.9
851633	PBI-83-WW-154		SWW	56.4	63.9	0.43	74.9	12.6	54.8
851634	PBI-83-WW-52		HWW	61.2	67.7	0.40	82.4	10.5	58.2
851635	PBI-83-WW-53		5/ SWW	61.0	71.7	0.38	88.5	10.3	53.8
851636	PBI-83-WW-99		6/ SWW	59.2	67.9	0.43	80.1	10.6	53.3
851637	PBI-83-WW-132		SWW	58.4	67.1	0.40	81.1	11.0	52.4
851638	PBI-83-WW-184		6/ SWW	63.6	66.6	0.36	84.0	10.4	55.9
851639	PBI-83-WW-156		SWW	57.2	66.8	0.43	79.1	11.3	52.0
851640	PBI-83-WW-196		5/ SWW	60.4	68.7	0.40	82.8	10.8	52.3
851641	PBI-83-WW-86		HWW	62.4	68.0	0.29	88.1	11.3	61.4
851642	PBI-83-WW-59		5/ SWW	62.0	71.2	0.42	85.0	10.6	52.0
851643	PBI-83-WW-5		SWW	59.6	67.4	0.38	82.6	11.3	52.1
851644	PBI-83-WW-186		6/ SWW	61.6	69.4	0.41	83.2	10.7	52.5

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 11% Protein.

4/ Observed Values Corrected to 11% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

USDA, SEA AR
WESTERN WHEAT QUALITY LAB.
PULLMAN, WA.

PLANT BREEDERS 1 WHEATS

W. MCPROUD

CULDESAC, 1D

NURSCO 60

LABNUM	VARIETY	IDNO	CLASS	MTYPE	CODI	CODIC 4/	CAVOL	SCSOR	RMKS
851610	PBI-80-WW-3		SWW	4L	8.89	8.81	1290	77.0	Q-FYELD
851611	PBI-80-WW-6		SWW	4L	9.11	8.99	1310	78.0	Q-FYELD
851612	PBI-80-WW-5		SWW	3L	8.90	8.82	1290	76.0	Q-FYELD
851613	PBI-79-WW-96A		SWW	3M	8.81	8.83	1270	77.0	Q-FYELD&MABSC
851614	PBI-79-WW-130B		SWW	4M	8.77	8.82	1275	78.0	P-FYELD&MABSC
851615	PBI-79-WW-130A		SWW	4M	8.94	8.96	1265	77.0	P-FYELD Q-MABSC
851616	PBI-80-WW-23		SWW	4M	8.92	8.87	1290	78.0	Q-FYELD&MABSC
851617	PBI-79-WW-57A		SWW	3L	8.79	8.79	1280	78.0	Q-FASH
851618	PBI-80-WW-1		SWW	2M	9.09	9.00	1280	79.0	Q-FYELD
851619	PBI-80-WW-9		SWW	3L	9.10	9.01	1275	78.0	Q-FYELD
851620	PBI-83-WW-36		SWW	1M	8.71	8.76	1220	70.0	P-FYELD Q-CODI&SCSOR
851621	PBI-83-WW-41		SWW	1M	8.79	8.73	1210	70.0	Q-CODI P-SCSOR
851622	PBI-83-WW-23		SWW	1M	8.72	8.76	1215	71.0	Q-CODI P-SCSOR
851623	PBI-83-WW-57		SWW	1M	9.22	9.16	1285	78.0	
851624	PBI-83-WW-35		SWW	2M	8.94	8.88	1295	76.0	
851625	PBI-83-WW-58		SWW	1M	9.17	9.11	1295	79.0	
851626	PBI-83-WW-12		SWW	2M	8.97	8.97	1295	75.0	
851627	PBI-83-WW-176		SWW	2M	9.29	9.29	1310	77.0	
851628	PBI-83-WW-42		SWW	2M	8.99	9.04	1160	66.0	P-CAVOL&SCSOR
851629	PBI-83-WW-11		SWW	2M	9.07	9.07	1305	81.0	
851630	PBI-83-WW-34		SWW	2M	8.94	8.95	1235	71.0	P-SCSOR
851631	PBI-83-WW-22		SWW	1M	9.14	9.18	1260	72.0	Q-CAVOL&SCSOR
851632	PBI-83-WW-56		SWW	2L	9.20	9.14	1300	75.0	
851633	PBI-83-WW-154		SWW	1H	8.79	8.96	1235	70.0	P-FYELD&SCSOR
851634	PBI-83-WW-52		HWW	3M	8.75	8.71	1250	78.0	Q-CODI (Hard)
851635	PBI-83-WW-53		SWW	2M	9.17	9.10	1270	76.0	
851636	PBI-83-WW-99		SWW	2M	8.87	8.83	1265	75.0	Q-SCSOR
851637	PBI-83-WW-132		SWW	1M	8.86	8.86	1255	72.0	P-SCSOR
851638	PBI-83-WW-184		SWW	1M	8.82	8.76	1280	80.0	Q-CODI
851639	PBI-83-WW-156		SWW	1M	8.37	8.41	1240	70.0	P-CODI&SCSOR
851640	PBI-83-WW-196		SWW	2M	9.09	9.07	1285	77.0	P-CODI&CAVOL (Hard)
851641	PBI-83-WW-86		HWW	4M	8.41	8.44	1200	69.0	
851642	PBI-83-WW-59		SWW	1M	9.17	9.13	1290	75.0	P-CAVOL
851643	PBI-83-WW-5		SWW	3M	8.84	8.87	1225	69.0	
851644	PBI-83-WW-186		SWW	2M	9.27	9.24	1270	76.0	

NURSCO 60

CULDESAC, ID

W. MCPROUD

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH 1/	MSCOR	FPROT 1/	MABSC 3/
851645 DAWS		C1017419	SWW	59.6	66.9	0.42	79.3	10.6	53.4
851646 STEPHENS		C1017596	SWW	53.6	67.6	0.46	78.2	11.9	53.5
851647 NUGAINES		C1013968	SWW	58.4	67.4	0.45	77.9	11.8	55.5

NURSCO 60

CULDESAC, ID

W. MCPROUD

LABNUM	VARIETY	IDNO	CLASS	MTYPE	CODI	CODIC 4/	CAVOL	SCSOR	RMKS
851645 DAWS		CI017419	SWW	2M	8.70	8.66	1295	78.0	
851646 STEPHENS		CI017596	SWW	2M	8.95	9.05	1305	76.0	
851647 NUGAINES		CI013968	SWW	2M	8.75	8.84	1280	76.0	

COMMENTS: Check varieties are poorer than average in milling properties. Selections 83-WW-176 and 83-WW-53 are outstanding in overall quality.
See footnotes for other promising selections and "Remarks" for major deficiencies.

P = Poor; Q = Questionable

NURSCO 61

PENDLETON, OR

C.R. ROHDE

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH 1/	MSCOR	FPROT 1/	MABSC 3/	MTYPE	BABS
851648 CRESTONE		C1017858	SWS	51.2	67.6	0.50	71.4	12.8	60.4	1H	
851649 DIRKWIN		C1017745	SWS	49.7	68.9	0.47	75.2	12.9	58.9	1H	
851650 MCKAY		C1017903	HRS	54.8	71.0	0.42	82.9	13.8	61.9	4H	63.9
851651 POTAM 70/FIELDER		WA6918	SWS	54.6	65.5	0.45	70.9	12.6	58.4	4M	57.7
851652 PONDERA			HRS	57.9	70.2	0.42	82.1	15.0	63.7	4H	67.4
851653 ABERDEEN SEL.		ID0269	HRS	56.0	70.7	0.38	85.8	13.4	65.1	5H	67.2
851654 WS-1			SWS	63.2	66.7	0.41	75.3	13.4	60.2	3H	
851655 BORAH		C1017267	HRS	54.5	71.4	0.40	84.1	14.0	65.4	3H	68.1

1/ Observed Values Corrected to 14% Moisture Basis.3/ Absorption at 14% Moisture Corrected to 13% Protein.4/ Observed Values Corrected to 13% Protein.5/ Particularly Promising Overall Quality Characteristics.6/ Promising Overall Quality Characteristics.

LABNUM	VARIETY	IDNO	CLASS	BABSC 3/	MTIME	LVOL	LVOLC	BCRGR	CODI	CODIC	RMKS
851648 CRESTONE		C1017858	SWS						8.62	8.60	
851649 DIRKWIN		C1017745	SWS						8.51	8.50	
851650 MCKAY		C1017903	HRS	63.1	4.6	1150	1100	2			
851651 POTAM 70/FIELDER		WA6918	SWS	58.1	2.6	1145	1169	3	8.46	8.41	P-MILLING
851652 PONDERA			HRS	65.4	3.7	1160	1036	2			
851653 ABERDEEN SEL.		ID0269	HRS	66.8	4.2	1150	1125	2			
851654 WS-1			SWS						8.61	8.66	P-MILLING
851655 BORAH		C1017267	HRS	67.1	2.9	1160	1098	2			

COMMENTS: Milling performance for the entire group was not good, probably as a result of the low test weights. ID 269 appears equal to or better than Borah and McKay. Pondera was a little low in loaf volume for the high protein.

P = Poor

NURSCO 62

MORO, OR

C.R. ROHDE

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH 1/	MSCOR	FPROT 1/	MABSC 3/	MTYPE	BABS
851656 DIRKWIN			SWS	56.3	70.3	0.51	74.6	10.1	55.9	1M	
851657 YECORA ROJO		C1017745	HRS	61.0	71.8	0.44	83.2	11.8	61.6	6H	64.1
851658 MCKAY		C1017414	HRS	61.0	72.1	0.43	84.5	10.9	61.3	6H	62.4
851659 WARED		C1017903	HRS	59.5	72.2	0.47	83.1	12.0	61.2	4H	62.4
851660 ABERDEEN SEL.		C1015926	SWS	57.9	69.2	0.46	77.0	9.9	56.6	2M	
		6/ ID0249									
851661 ALBA/GNS//FN/SONORA 64		ORCR8106	HRS	58.8	72.0	0.44	82.7	10.8	58.9	3M	60.4

1/ Observed Values Corrected to 14% Moisture Basis.

5/ Particularly Promising Overall Quality Characteristics.

3/ Absorption at 14% Moisture Corrected to 11% Protein.

6/ Promising Overall Quality Characteristics.

4/ Observed Values Corrected to 11% Protein.

LABNUM	VARIETY	IDNO	CLASS	BABSC 3/	MTIME	LVOL	LVOLC 4/	BCRGR	CODI	CODIC 4/	RMKS
851656 DIRKWIN			SWS								
851657 YECORA ROJO		C1017745	HRS	63.3	5.1	975	925	2	8.94	8.84	
851658 MCKAY		C1017414	HRS	62.5	5.9	930	936	3			
851659 WARED		C1017903	HRS	61.4	3.0	1075	1013	3			
851660 ABERDEEN SEL.		C1015926	SWS								
		ID0249									
851661 ALBA/GNS//FN/SONORA 64		ORCR8106	HRS	60.6	2.3	825	837	8	9.08	8.96 Q-P-FYELD	P-MTINELVOL&BCRGR

COMMENTS: ID 249 is low in flour yield, but about equal to the check variety Dirkwin, both are then abnormal. ORCR8106 is very poor in all bread baking properties.

Q = Questionable; P = Poor

NURSCO 63

PENDLETON, OR

C.R. ROHDE

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH 1/	MSCOR	FPROT 1/	MABSC 3/	MIYPE	BABS
851662	STIEPHENS	C1017596	SWW	55.4	71.2	0.47	81.9	9.1	54.0	2M	57.3
851663	HYSL0P/CERCO, J-1711, B-314	84A-27	HW	57.4	69.8	0.53	77.1	9.8	54.8	3M	54.3
851664	CERCO/SPRAGUE, J-1698, H-149	6/ 84A-149	HW	58.4	72.0	0.44	83.6	8.7	53.9	2M	
851665	HILL 81	C1017954	SWW	57.0	72.0	0.49	81.7	9.6	53.9	2M	
851666	HYSL0P/YAYLA//63-112-66-4/3/0R7065...	6/ 84A-162	HW	58.5	72.8	0.49	82.2	8.8	53.8	3M	55.3
851667	68-33//MCD/IAC, OWM71144-1-03E4...	84A-175	SWW	55.0	64.7	0.45	74.8	9.3	51.0	2M	
851668	HY5/NORCO//CAMA/3/SM4(7436)...	OR8188	SWW	58.1	69.9	0.47	80.0	9.2	51.8	3L	
851669	HY5/YAYLA//WA4995/3/CERCO	OR7996	SWW	57.6	69.2	0.46	80.0	8.8	51.8	4L	
851670	EG/PI178383//JCM, F1/3/F1, 67-109/...	6/ 84A-211	SWW	58.0	71.6	0.46	83.0	8.9	51.2	2L	
851671	DAWS	C1017419	SWW	57.8	68.5	0.45	79.4	8.9	52.2	3L	
851672	SWD70250-01W-1P-1H-OH/ROEDEL...	84A-213	SWW	57.4	69.4	0.47	79.3	8.7	51.6	3L	
851673	SWD70250-01W-1P-1H-OH, A-2006-2...	84A-227	SWW	58.2	69.2	0.46	79.8	9.0	51.1	3L	
851674	ANZA/MARIS NIMROD, A-182-3, C-1930	6/ 84A-286	SWW	56.9	69.0	0.43	81.6	8.5	52.6	2M	
851675	SWD70250-01W-1P-1H-OH/ROEDEL...	84A-286	SWW	57.0	68.5	0.48	77.7	8.9	51.7	3M	
851676	YMH/HYS/3/55-1744/7C//SU/ROL...	84A-294	HW	57.2	70.6	0.49	79.8	9.7	52.9	2M	
851677	FARO	C1017590	CLUB	58.5	72.0	0.45	84.2	9.1	51.5	2M	
851678	YMH/IOB//BELZ/3/SPN//63-189-66-7...	6/ 84A-725	SWW	59.0	70.0	0.42	83.2	9.1	53.5	3M	
851679	YMH/HYS/3/69-153/YMH, F3//67-237-69-24...	6/ 84A-322	SWW	58.9	70.3	0.46	81.5	9.7	53.4	2M	
851680	YMH/HYS//SN64/FN, OWM800011*, 20010-11...	84A-332	HW	57.7	70.3	0.52	77.9	9.3	54.5	3M	56.5
851681	YMH/HYS//SPN...	6/ 84A-341	SWW	57.6	71.5	0.50	80.4	8.9	51.6	2M	
851682	YMH/HYS/3/58-152/DRC//SPN, OWM800009*...	6/ 84A-342	SWW	56.8	71.8	0.48	82.2	10.2	54.4	2M	
851683	YMH/HYS/3/69-153/YMH, F3//67-237-69-24...	6/ 84A-344	SWW	58.0	70.6	0.44	82.7	9.7	53.4	3M	53.8
851684	ASP/HYS//SPN, OWM800123*, 20075-17...	84A-350	SWW	57.2	67.4	0.50	75.3	10.1	54.0	2M	

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Basis Corrected to 9% Protein.

4/ Observed Values Corrected to 9% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

C.R. ROIDE

PENDLETON, OR

NURSCO 63

LABNUM	VARIETY	IDNO	CLASS	BABSC	MTIME	LVOL	LVOLC	BCRGR	CODI	CODIC	RMKS
				3/			4/			4/	
851662	STIEPHENS	C1017596	SWW								
851663	HYSL0P/CERCO, J-1711, B-314	84A-27	HW	56.5	2.1	790	740	7	9.27	9.29	
851664	CERCO/SPRAGUE, J-1698, H-149	84A-149	HW	54.6	1.8	760	779	9	8.36	8.43	HW, P-LVOL&BCRGR
851665	HILL 81	C1017954	SWW						8.95	8.93	NOTE: Looks Hard
851666	HYSL0P/YAY1A//63-112-66-4/3/OR7065...	84A-162	HW	55.5	1.9	790	802	8	9.10	9.17	
									8.95	8.93	NOTE: Looks Hard
851667	68-33//MCD/TAC, OWM71144-1-03E4...	84A-175	SWW						9.12	9.16	P-FYELD
851668	HY5/NORCO//CAMA/3/SM4(7436)...	OR8188	SWW						8.92	8.95	Q-FYELD
851669	HY5/YAYLA//WA4995/3/CERCO	OR7996	SWW						9.04	9.02	Q-FYELD
851670	EG/PI178383//JCM, F1/3/F1, 67-109/...	84A-211	SWW						9.16	9.15	
851671	DAWS	C1017419	SWW						8.84	8.83	
851672	SWD70250-01W-1P-1H-0H/ROEDEL...	84A-213	SWW						8.69	8.65	Q-FYELD&CODI
851673	SWD70250-01W-1P-1H-0H, A-2006-2...	84A-227	SWW						8.81	8.81	Q-FYELD&CODI
851674	ANZA/MARIS NIMROD, A-182-3, C-1930	84A-286	SWW						9.14	9.08	
851675	SWD70250-01W-1P-1H-0H/ROEDEL...	84A-286	SWW						8.85	8.84	Hard Q-CODI
851676	YMH/HYS/3/55-1744/7C//SU/ROL...	84A-294	HW						8.79	8.84	
851677	FARO	C1017590	CLUB						9.20	9.21	
851678	YMH/TOB//BEZ/3/SPN//63-189-66-7...	84A-725	SWW						9.14	9.15	
851679	YMH/HYS/3/69-153/YMH, F3//67-237-69-24...	84A-322	SWW						9.00	9.08	
851680	YMH/HYS//SN64/FN, OWM800011*, 20010-11...	84A-332	HW	56.2	2.5	675	656	9	8.72	8.75	Hard Q-CODI
851681	YMH/HYS//SPN...	84A-341	SWW						9.06	9.05	
851682	YMH/HYS/3/58-152/DRC//SPN, OWM80009*	84A-342	SWW						8.87	9.01	
851683	YMH/HYS/3/69-153/YMH, F3//67-237-69-24...	84A-344	SWW	53.1	2.3	860	818	6	8.99	9.06	
851684	ASP/HYS//SPN, OWM800123*, 20075-17...	84A-350	SWW						8.71	8.83	P-FYELD

COMMENTS: See "Class" column as several of these appeared to be hard endosperm by NIR reflectance. Also, see "Remarks" for other major deficiencies of the selections not footnoted as promising in overall quality.

P = Poor; Q = Questionable

NURSCO 64

MORO, OR

C. R. ROIDE

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	BABS
						1/		1/	3/		
851685	STEPHENS	C1017596	SWW	57.8	68.6	0.52	75.5	9.3	56.2	3L	
851686	UNKNOWN 37		HRW	58.4	69.4	0.47	80.1	10.5	59.2	2H	61.4
851687	UNKNOWN 76	6/	SWW	59.7	67.0	0.50	74.6	8.8	53.7	2L	
851688	1-607/CAMA//OR7464, 165-2, B-1079	6/84A-82	SWW	59.0	69.5	0.51	77.2	9.3	54.1	2M	
851689	DAWS	C1017419	SWW	59.7	67.1	0.49	75.2	9.2	55.6	4L	
851690	HYSLOP/CERCO, J-1683, B-299	84A-22	HRW	59.2	70.5	0.47	81.5	10.8	57.3	4M	59.8
851691	HYSLOP/CERCO, J-1700, B-311	84A-25	SWW	59.0	65.2	0.51	71.5	9.7	55.7	4M	
851692	PAHA//SEL. 72-330/DAWS(M76-429), PW77-...	6/84A-60	SWW	61.3	71.1	0.46	82.4	9.4	51.2	2M	
851693	PAHA//SEL. 72-330/DAWS(M76-429), PW77-...	84A-61	SWW	62.0	71.6	0.44	84.1	9.6	53.2	2M	
851694	YMH/IOB//BEZ/3/SPN//63-189-66-7/...	84A-219	SWW	61.4	69.9	0.44	81.9	9.1	53.3	3M	
851695	HILL 81	C1017954	SWW	59.8	70.0	0.49	79.0	10.3	54.3	2M	
851696	YMH/IOB//BEZ/3/SPN//63-189-66-7/...	6/84A-430	SWW	61.8	71.4	0.44	84.2	9.0	54.8	2M	
851697	EL/178383//2*YMH/3/MRS/C114482,...	84A-345	SWW	57.6	69.4	0.46	80.5	10.4	52.0	1M	
851698	FARO	C1017590	CLUB	59.6	71.3	0.48	81.1	8.7	51.4	2L	
851699	YMH/IOB//BEZ/3/SPN//63-189-66-7/...	6/84A-727	SWW	61.3	70.1	0.44	82.0	9.1	52.7	2M	

1/ Observed Values Corrected to 14% Moisture Basis.

5/ Particularly Promising Overall Quality Characteristics.

3/ Absorption at 14% Moisture Corrected to 10% Protein.

6/ Promising Overall Quality Characteristics.

4/ Observed Values Corrected to 10% Protein.

USDA, SPA AR
WESTERN WHEAT
QUALITY LAB.
PULLMAN, WA.

PRELIMINARY SOFT WHITE WINTER

NURSCO 64

MORO, OR

C.R. RONDE

LABNUM	VARIETY	IDNO	CLASS	BABSC 3/	MTIME	LVOL	LVOLC 4/	BCRGR	CODI	CODIC 4/	RMKS
851685	SIT PHENS	C1017596	SWW						8.72	8.65	VP-LVOL&BCRGR
851686	UNKNOWN 37		HRW	60.9	2.9	680	649	9	8.31	8.35	Q-FYELD
851687	UNKNOWN 76		SWW						8.76	8.63	
851688	1-607/CAMA//OR7464, 165-2, B-1079	84A-82	SWW						8.95	8.87	
851689	DAWS	C1017419	SWW						8.52	8.44	
851690	HYSLOP/CIRCO, J-1683, B-299	84A-22	HRW	59.0	2.5	690	640	8	8.22	8.29	Hard VP-LVOL&BCRGR
851691	HYSLOP/CIRCO, J-1700, B-311	84A-25	SWW						8.37	8.34	P-FYELD&CODI
851692	PAHA//SEL. 72-330/DAWS(M76-429), PW77-...	84A-60	SWW						9.11	9.05	
851693	PAHA//SEL. 72-330/DAWS(M76-429), PW77-...	84A-61	SWW						8.99	8.94	
851694	YMH/10B//BEZ/3/SPN//63-189-66-7/...	84A-219	SWW						9.11	9.01	
851695	HILL 81	C1017954	SWW						9.02	9.06	
851696	YMH/10B//BEZ/3/SPN//63-189-66-7/...	84A-430	SWW						8.90	8.79	
851697	EL/178383//2*YMH/3/MRS/C11482, ...	84A-345	SWW						8.76	8.81	Q-FYELD&CODI
851698	FARO	C1017590	CLUB						8.92	8.83	
851699	YMH/10B//BEZ/3/SPN//63-189-66-7/...	84A-727	SWW						9.05	8.95	

COMMENTS: Selections 84A-60 and 61 are distinctly better than any of the check varieties. Several others (footnoted) also have promise.

See "Remarks" for major deficiencies of those not footnoted as promising.

VP = Very Poor; P = Poor; Q = Questionable

NURSCO 65

MORO, OR

C. R. ROHDE

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/		1/	3/	
851700 UNKNOWN 101			HRW	59.2	67.4	0.41	81.3	10.2	57.6	6M
851701 UNKNOWN 106			HRW	57.4	66.2	0.41	80.3	9.5	57.4	3M
851702 UNKNOWN 108			SRW	59.6	64.4	0.39	78.2	9.1	51.9	1L
851703 SUNDANCE/VH170774, F-788, B-518		84A-40	HRW	58.8	67.2	0.41	81.0	9.6	58.4	8M
851704 M.BILBO/FIGARO, A-4136-2, C-860		84A-367	SRW	58.4	60.7	0.39	73.3	9.1	53.4	2M
851705 VORO/MARIS NIMROD, A-791-1, C-2370		84A-432	SRW	57.8	59.2	0.41	70.4	9.6	53.6	2M
851706 KAUBAZ/TALENT/ADAM 2, A-2999-3...		84A-471	HRW	58.8	68.6	0.43	81.7	9.5	54.9	3M
851707 M.BILBO/FIGARO, A-4088-3, C-836		84A-520	SRW	61.7	64.0	0.38	78.4	9.3	56.5	5M
851708 F60213-76/SPN, OWM80019*200073-22...		84A-762	SRW	58.9	58.7	0.41	69.9	10.0	52.9	2M
851709 ANZA/CERCO, 6-73, C-4759		6/84A-876	HRW	57.8	68.7	0.39	83.8	11.1	60.3	4M
851710 ANZA/STEPHENS, 137-24, C-4946		84A-879	HRW	60.5	69.2	0.34	87.1	10.2	57.2	2M
851711 HATTON		C1017772	HRW	62.9	68.9	0.41	83.0	9.9	61.6	6M

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
851700 UNKNOWN 101			HRW	60.5	60.3	3.4	845	833		5 Q-FYELD&BCRGR
851701 UNKNOWN 106			HRW	58.6	59.1	2.3	740	771		9 P-FYELD, LVOL&BCRGR
851702 UNKNOWN 108			SRW							"Soft" VP-FYELD
851703 SUNDANCE/VH170774, F-788, B-518		84A-40	HRW	60.7	61.1	3.9	805	830		6 Q-FYELD&BCRGR
851704 M.BILBO/FIGARO, A-4136-2, C-860		84A-367	SRW							"Soft" VP-FYELD
851705 VORO/MARIS NIMROD, A-791-1, C-2370		84A-432	SRW							"Soft" VP-FYELD
851706 KAUBAZ/TALENT/ADAM 2, A-2999-3...		84A-471	HRW	56.1	56.6	2.5	670	701		9 VP-LVOL, BCRGR&FYELD
851707 M.BILBO/FIGARO, A-4088-3, C-836		84A-520	SRW							VP-FYEDL
851708 F60213-76/SPN, OWM80019*200073-22...		84A-762	SRW							"Soft" VP-FYELD
851709 ANZA/CERCO, 6-73, C-4759		84A-876	HRW	63.1	62.0	3.1	885	817	2	
851710 ANZA/STEPHENS, 137-24, C-4946		84A-879	HRW	58.1	57.9	1.4	775	763		6 P-MTIME, LVOL&BCRGR
851711 HATTON		C1017772	HRW	63.2	63.3	3.7	820	826	4	

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 10% Protein.

4/ Observed Values Corrected to 10% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

COMMENTS: Several of these are soft reds with poor milling quality (See "Class"). Selection 84A-876 is distinctly better than Hatton in baking performance.

Q = Questionable; VP = Very Poor; P = Poor

NURSCO 66

LIND, WA

E. DONALDSON

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH 1/	MSCOR	FPROT 1/	MABSC	MTYPE
851712	WA7001/N74065	6/ N8400801	HRW	61.7	72.3	0.37	87.3	12.3	64.5	5H
851713	9342/IT//K6901526/3/CLE/	N8400902	SRW	62.1	67.2	0.35	78.5	11.4	63.2	2H
851714	N6700054/SM7437//CER/3/N	N8401504	HRW	62.1	72.8	0.36	88.4	12.9	64.1	2H
851715	173467/GNS//MC/3/TP107/S	6/ N8402004	HRW	62.9	73.6	0.38	88.0	12.0	63.5	3H
851716	173467/GNS//MC/3/TP107/S	N8402005	HRW	62.6	74.0	0.37	90.0	11.2	62.2	3H
851717	FREDRICK/SPRAGUE	6/ N8402101	HRW	61.9	71.4	0.37	86.0	12.1	63.0	4H
851718	K7101348/3/TP107//N6700	5/ N8402301	HRW	61.0	72.2	0.39	85.4	12.2	62.8	5H
851719	CERCO/MCCALL	6/ N8402401	HRW	61.3	70.9	0.41	83.5	12.6	62.9	4H
851720	HATTON	C1017772	HRW	64.2	71.8	0.39	85.6	12.4	63.5	2H
851721	BATUM	P1495013	HRW	61.3	70.5	0.35	85.0	12.3	64.1	2H
851722	N7001716/K6901676//N7000	N8401201	HRW	62.3	69.3	0.36	82.2	12.3	65.2	5H
851723	N7001716/K6901676//N7000	6/ N8401202	HRW	62.4	71.7	0.36	86.5	12.7	63.9	4H
851724	K7101348/3/TP107//N6700	6/ N8402303	SWW	60.3	74.6	0.41	85.9	11.5	59.0	3H
851725	CERCO/N7402705	N8402605	HRW	61.0	68.7	0.40	80.4	12.7	62.5	2H
851726	N7302901/ID000092	N8402702	SWW	63.2	72.6	0.38	85.2	11.9	59.9	2H

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 12% Protein.

4/ Observed Values Corrected to 12% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 66

LIND, WA

E. DONALDSON

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
851712	WA7001/N74065	N8400801	HRW	66.5	66.2	4.2	1030	1011	3	3 P-FYELD
851713	9342/IT//K6901526/3/CLE/	N8400902	SRW	63.3	63.9	2.4	950	986	2	2 Q-MTIME&BCRGR
851714	N6700054/SM7437//CER/3/N	N8401504	HRW	65.7	64.8	2.3	1003	947	4	4 Q-P-BCRGR
851715	173467/GNS//MC/3/TP107/S	N8402004	HRW	64.2	64.2	2.8	920	920	3	3 P-FYELD
851716	173467/GNS//MC/3/TP107/S	N8402005	HRW	63.1	63.9	3.0	855	905	5	5 P-BCRGR
851717	FREDRICK/SPRAGUE	N8402101	HRW	64.3	64.2	3.0	940	934	2	
851718	K7101348/3/TP107//N6700	N8402301	HRW	64.7	64.5	4.1	985	973	2	
851719	CERCO/MCCALL	N8402401	HRW	65.2	64.6	3.2	985	948	2	
851720	HATTON	C1017772	HRW	65.6	65.2	2.5	925	900	2	
851721	BATUM	P1495013	HRW	65.6	65.3	2.3	1005	986	2	
851722	N7001716/K6901676//N7000	N8401201	HRW	66.2	65.9	4.0	910	891	20	20-MSCOR
851723	N7001716/K6901676//N7000	N8401202	HRW	66.3	65.6	3.3	938	895	2	
851724	K7101348/3/TP107//N6700	N8402303	SWW	61.2	61.7	3.0	960	990	3	3 Q-"SOFT"
851725	CERCO/N7402705	N8402605	HRW	64.9	64.2	2.1	945	902	3	3 P-FYELD
851726	N7302901/ID000092	N8402702	SWW	61.0	61.1	2.4	950	956	5	5 P-BCRGR

COMMENTS: See "Remarks" column for major deficiencies of selections not footnoted as promising.

P = Poor; Q = Questionable

NURSCO 67

LIND, WA

E. DONALDSON

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
851727	LINDON/N7602205	6N8405903	HRW	63.4	72.5	0.40	85.9	11.4	62.3	3H
851728	WA6368/(B7501404)ONN760	6N8406801	HRW	61.8	73.0	0.37	88.7	12.3	63.0	3H
851729	N7402702/N7504201	6N8406902	HRW	63.4	73.5	0.39	88.4	11.8	62.3	3H
851730	N7402702/N7504201	6N8406903	HRW	63.4	73.0	0.41	86.9	11.9	62.9	3H
851731	N7402702/N7504201	6N8406904	HRW	62.9	71.6	0.40	84.2	11.7	62.2	4H
851732	N7402702/N7504201	5N8406905	HRW	61.6	73.0	0.43	84.9	12.1	63.2	3H
851733	N7402707/N7602205	6N8407001	HRW	62.0	71.9	0.45	82.7	11.8	62.7	3H
851734	N7405001/N7602301	6N8407203	HRW	61.9	71.2	0.42	83.2	11.9	63.0	4H
851735	N7405001/N7602301	5N8407204	HRW	63.1	73.7	0.42	87.4	11.7	63.2	3H
851736	N7500901/N7603001	6N8407701	HRW	61.6	72.5	0.41	85.3	11.9	62.9	2H
851737	HATTON	C1017772	HRW	64.2	72.3	0.39	87.0	11.9	61.5	2H
851738	BATUM	P1495013	HRW	62.2	72.8	0.34	88.6	11.8	63.2	2H
851739	WA6365/N7602601	6N8406403	HW	62.4	71.0	0.41	84.0	12.1	62.6	4H

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
851727	LINDON/N7602205	N8405903	HRW	63.4	64.0	3.1	925	962	2	
851728	WA6368/(B7501404)ONN760	N8406801	HRW	63.5	63.2	2.5	990	971	4	
851729	N7402702/N7504201	N8406902	HRW	63.8	64.0	2.6	920	932	2	
851730	N7402702/N7504201	N8406903	HRW	64.5	64.6	3.1	930	936	3	
851731	N7402702/N7504201	N8406904	HRW	63.6	63.9	3.2	880	899	2 Q-LVOL	
851732	N7402702/N7504201	N8406905	HRW	65.0	64.9	2.8	965	959	2	
851733	N7402707/N7602205	N8407001	HRW	64.2	64.4	3.2	925	937	4 Q-ASH	
851734	N7405001/N7602301	N8407203	HRW	64.6	64.7	3.0	1010	1016	2	
851735	N7405001/N7602301	N8407204	HRW	64.6	64.9	3.1	960	979	2	
851736	N7500901/N7603001	N8407701	HRW	63.5	63.6	2.0	995	1001	3	
851737	HATTON	C1017772	HRW	63.1	63.2	2.2	920	926	5	
851738	BATUM	P1495013	HRW	64.7	64.9	1.8	980	992	6	
851739	WA6365/N7602601	N8406403	HW	64.4	64.3	3.4	1000	994	4	

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 12% Protein.

4/ Observed Values Corrected to 12% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

COMMENTS: Nearly all selections in this group are equal to or better than Hatton and Batum in overall quality, including mix time, loaf volume, and bread crumb score.

NURSCO 68

LIND, WA

E. DONALDSON

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/		1/	3/	
851740 HATTON		C1017772	HRW	62.7	73.4	0.38	88.6	11.6	62.4	4H
851741 NEELEY		C1017860	HRW	61.2	70.2	0.37	83.1	12.0	62.6	5H
851742 MANNING		C1017846	HRW	62.0	72.1	0.37	87.0	11.7	63.5	5H
851743 WINRIDGE		C1017902	HRW	60.9	72.4	0.38	87.6	11.5	62.2	2H
851744 WESTON		C1017727	HRW	62.7	72.3	0.38	86.9	12.5	63.0	3H
851745 HTN SIB//SHORT WHEAT/SUT		6/N8200935	HRW	61.2	73.2	0.36	89.7	10.8	64.2	3H
851746 N7200043/CENTURK		6/N8201514	HRW	62.8	73.1	0.38	88.0	11.4	62.2	4H
851747 N7200043/CENTURK		6/N8201518	HRW	63.0	75.2	0.40	90.0	11.8	62.1	3H
851748 WA7001/N7302003		5/N8304804	HRW	61.4	73.4	0.36	90.4	11.6	62.9	3H
851749 CERCO/N7402705		5/N8305901	HRW	61.2	72.7	0.38	87.9	11.3	61.0	4H
851750 ID000092/HATTON		6/N8306201	HRW	61.8	72.9	0.36	88.5	11.5	63.3	5H
851751 ID000092/N7403301 (N8308502)		6/WA07429	HRW	61.8	74.9	0.36	91.9	10.5	64.0	2H
851752 ID000114/WA7001 (N8308601)		WA07430	HRW	62.1	74.3	0.36	91.3	10.2	63.9	3H
851753 ID000114/WA7001		N8308603	HRW	62.5	74.2	0.36	90.8	11.1	62.7	2H
851754 N7301901/PAHA		6/N8308703	HRW	62.3	74.3	0.35	91.4	11.3	64.4	3H
851755 HTN SIB/WA7001		6/N8308802	HRW	62.1	73.3	0.39	87.9	11.8	63.8	4H
851756 HTN SIB/C1017271		N8308901	HRW	61.9	73.2	0.39	87.2	10.9	64.2	5H

1/ Observed Values Corrected to 14% Moisture Basis.

5/ Particularly Promising Overall Quality Characteristics.

3/ Absorption at 14% Moisture Corrected to 11% Protein.

6/ Promising Overall Quality Characteristics.

4/ Observed Values Corrected to 11% Protein.

E. DONALDSON

LIND, WA

NURSCO 68

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
851740	HATTON	C1017772	HRW	64.7	64.1	2.9	925	888	2	
851741	NEELEY	C1017860	HRW	65.8	64.8	4.0	930	868	3	
851742	MANNING	C1017846	HRW	65.9	65.2	3.6	990	947	3	
851743	WINRIDGE	C1017902	HRW	63.4	62.9	2.0	905	874	4	
851744	WESTON	C1017727	HRW	65.2	63.7	1.9	965	872	2	
851745	HTN SIB//SHORT WHEAT/SUT	N8200935	HRW	64.2	64.4	2.3	890	902	2	
851746	N7200043/CENTURK	N8201514	HRW	64.3	63.9	4.0	900	875	3	
851747	N7200043/CENTURK	N8201518	HRW	64.6	63.8	2.4	915	865	3	
851748	WA7001/N7302003	N8304804	HRW	64.2	63.6	2.8	950	913	2	
851749	CERCO/N7402705	N8305901	HRW	63.0	62.7	3.5	900	881	2	
851750	ID000092/HATTON	N8306201	HRW	65.5	65.0	4.1	895	864	3	
851751	ID000092/N7403301 (N8308502)	WA07429	HRW	64.7	65.2	2.5	845	876	3	
851752	ID000114/WA7001 (N8308601)	WA07430	HRW	63.8	64.6	2.2	805	855	6Q-MTIME&BCRGR	
851753	ID000114/WA7001	N8308603	HRW	63.0	62.9	1.8	860	854	6Q-MTIME&BCRGR	
851754	N7301901/PAHA	N8308703	HRW	65.4	65.1	2.1	900	881	2Q-MTIME	
851755	HTN SIB/WA7001	N8308802	HRW	66.3	65.5	3.7	875	825	2Q-LVOL	
851756	HTN SIB/C1017271	N8308901	HRW	65.3	65.4	4.1	910	916	4Q-BCRGR	

COMMENTS: Several of these appear promising and equal to Hatton and Neeley in overall quality. N8304804 and N8305901 are very good quality.

Q = Questionable

NURSCO 69

MONTANA

D. BIGGERSTAFF

LABNUM	VARIETY	IDNO	CLASS	-TWT	FYELD	FASH	MSCOR	FPROT	MABSC
						1/		1/	3/
851757	CI682-70		SWS	59.4	68.3	0.40	78.1	11.1	55.9
851758	ML683-1		SWS	61.1	68.0	0.41	76.1	10.5	55.3
851759	ML683-3		SWS	60.7	69.2	0.40	75.9	11.0	56.1
851760	ML683-8		SWS	60.0	70.0	0.47	77.6	10.5	54.2
851761	BU683-13		5/SWS	63.0	73.2	0.36	88.5	10.3	55.8
851762	BU683-18		6/SWS	60.2	70.8	0.40	81.0	11.1	57.2
851763	BU683-31		6/SWS	61.4	70.1	0.40	79.5	11.0	56.2
851764	B2683-45		6/SWS	61.3	71.9	0.44	80.8	10.0	55.8
851765	OWENS	CI017904	SWS	61.9	70.7	0.40	81.0	10.3	54.0
851766	FIELDER	CI017268	SWS	61.5	70.1	0.43	77.6	8.8	53.1

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 10% Protein.

4/ Observed Values Corrected to 10% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

LABNUM	VARIETY	IDNO	CLASS	MTYPE	CODI	CODIC	CAVOL	SCSOR	RMKS
						4/			
851757	CI682-70		SWS	2M	8.74	8.86	1150	64.0	Q-FYELD
851758	ML683-1		SWS	2M	8.61	8.67	1170	67.0	Q-FYELD
851759	ML683-3		SWS	2M	8.61	8.72	1175	69.0	Q-FYELD
851760	ML683-8		SWS	2M	8.45	8.50	1130	65.0	P-CODI&SCSOR
851761	BU683-13		SWS	2M	8.72	8.76	1205	71.0	
851762	BU683-18		SWS	4M	8.81	8.93	1185	69.0	
851763	BU683-31		SWS	4M	8.77	8.88	1155	69.0	
851764	B2683-45		SWS	2M	8.94	8.94	1190	72.0	
851765	OWENS	CI017904	SWS	2M	9.05	9.08	1160	67.0	
851766	FIELDER	CI017268	SWS	2M	8.96	8.83	1160	68.0	

COMMENTS: BU683-13 has very good overall quality. The other "B" lines are also promising. The CI682-70 and ML683 lines are weak in milling and questionable in baking properties (See Remarks).

Q = Questionable; P = Poor

NURSCO 70

GERALDINE, MT

W. JOHNSON

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/		1/	3/	
851767	906R IRRIGATED, MT			59.8	69.7	0.40	81.9	14.3	68.9	5H
851768	BRONZE CHIEF IRRIGATED, MT		HRS	62.4	72.7	0.46	83.6	13.9	70.3	6H
851769	BRONZE CHIEF DRYLAND, MT		HRS	59.1	67.9	0.49	74.0	17.8	68.7	2H
851771	BRONZE CHIEF IRRIGATED HAMER, ID		6/ HRS	58.8	72.3	0.46	82.7	12.9	68.3	3H
851772	KODIAK IRRIGATED HAMER, ID		HRS	60.8	71.8	0.45	81.6	11.3	67.6	4H
851773	906R IRRIGATED RUPERT, ID		HRS	60.1	73.5	0.46	84.2	12.1	67.6	5H
851774	KODIAK IRRIGATED RUPERT, ID		HRS	62.9	71.1	0.46	80.0	13.6	68.5	5H

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
851767	906R IRRIGATED, MT			68.9	68.6	3.6	1130	1111	3	3 Q-LVOL&BCRGR
851768	BRONZE CHIEF IRRIGATED, MT		HRS	70.9	71.0	5.4	1015	1021	4	4 Q-LVOL&BCRGR
851769	BRONZE CHIEF DRYLAND, MT		HRS	72.7	68.9	2.6	1235	999	3	3 P-FYELD, LVOL
851771	BRONZE CHIEF IRRIGATED HAMER, ID		HRS	67.9	69.0	3.0	1025	1093	2	2 Q-LVOL, P-BCRGR
851772	KODIAK IRRIGATED HAMER, ID		HRS	66.6	69.3	3.9	915	1082	6	6 Q-LVOL, P-BCRGR
851773	906R IRRIGATED RUPERT, ID		HRS	67.4	69.3	4.5	990	1108	3	3 Q-LVOL&BCRGR
851774	KODIAK IRRIGATED RUPERT, ID		HRS	69.8	70.2	3.6	1020	1045	4	4 Q-LVOL&BCRGR

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 14% Protein.

4/ Observed Values Corrected to 14% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

COMMENTS:

There appears to be variability within the three samples of Bronze Chief. Thw two samples grown in MT (Dryland & Irrigated) had questionable or poor loaf volume and the dryland sample poor flour yield. However, the sample from Hamer, ID was scored promising and satisfactory in overall quality. The two samples of Kodiak were low in loaf volume and questionable at best for bread crumb structure. Significant difference in dough mix time is evident within the Bronze Chief samples, which may indicate genetic mixture within the cultivar. See "Remarks" column.

NURSCO 71

ONTARIO, OR

M.F. KOLDING

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	BABS
						<u>1/</u>		<u>1/</u>	<u>3/</u>		
851775	STEPHENS*2/SM-4	1	SRW	57.6	67.8	0.44	79.7	10.2	54.2	3L	
851776	STEPHENS*2/SM-4	6/2	SWW	58.4	72.7	0.44	85.4	10.4	53.0	2M	
851777	STEPHENS*2/SM-4	3	HRW	58.4	72.1	0.37	88.2	11.4	60.3	3M	62.4
851778	STEPHENS*2/SM-4	19	SRW	57.2	67.6	0.42	80.3	9.9	56.0	3L	
851779	STEPHENS*2/SM-4	20	HRW	58.0	71.2	0.37	87.4	11.5	59.8	2H	62.0
851780	STEPHENS*2/SM-4	5/21	SWW	58.0	73.7	0.45	86.1	10.4	54.1	2M	
851781	STEPHENS*2/SM-4	37	HRW	58.8	72.5	0.37	89.0	11.7	60.7	2H	63.1
851782	STEPHENS*2/SM-4	6/38	SRW	57.8	70.7	0.44	83.4	10.1	55.2	2L	
851783	STEPHENS/NS879/4 BYDV M81-598-301	5/39	SWW	58.8	73.9	0.45	86.4	10.5	52.2	1M	

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 11% Protein.

4/ Observed Values Corrected

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

LABNUM	VARIETY	IDNO	CLASS	BABSC	MTIME	LVOL	LVOLC	BCRGR	CODI	CODIC	RMKS
				<u>3/</u>			<u>4/</u>			<u>4/</u>	
851775	STEPHENS*2/SM-4	1	SRW						8.94	8.85	P-FYELD
851776	STEPHENS*2/SM-4	2	SWW						9.27	9.21	
851777	STEPHENS*2/SM-4	3	HRW	62.0	1.9	875	850	5	8.55	8.58	P-MTIME, LVOL&BCRGR
851778	STEPHENS*2/SM-4	19	SRW						8.81	8.69	P-FYELD(SRW)
851779	STEPHENS*2/SM-4	20	HRW	61.5	2.0	935	904	5	8.50	8.54	P-MTIME
851780	STEPHENS*2/SM-4	21	SWW						9.25	9.18	
851781	STEPHENS*2/SM-4	37	HRW	62.4	1.8	920	877	4	8.34	8.39	P-MTIME&BCRGR
851782	STEPHENS*2/SM-4	38	SRW						8.86	8.76	
851783	STEPHENS/NS879/4 BYDV M81-598-301	39	SWW						9.39	9.33	

COMMENTS: Two of these selections appear outstanding soft white wheats (#21 & 39), both in milling and baking. The HRW selections have poor baking properties (See Remarks).

P = Poor

NURSCO 72

LIND, WA

E. DONALDSON

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH 1/	MSCOR	FPROT 1/	MABSC 3/	MTYPE
851784	CER/N7407202//N7401202	N8403405	HRW	63.1	73.8	0.41	88.6	11.1	61.1	2H
851785	CER/N7407202//N7401202	N8403406	HRW	63.2	74.2	0.39	90.5	11.0	60.2	3H
851786	N7001716/WA5136//JO-0302	N8403603	HRW	62.7	74.2	0.38	89.3	11.0	62.7	2H
851787	KAVKAZ/C117271	6/N8403701	HRW	61.9	73.7	0.38	87.6	10.9	61.7	3H
851788	KAVKAZ/C117271	6/N8403702	HRW	61.7	73.5	0.39	87.0	11.7	62.0	3H
851789	KAVKAZ/C117271	6/N8403703	HRW	61.6	72.9	0.38	88.0	10.7	62.5	3H
851790	N7401612/PAHA	6/N8404101	HRW	62.4	71.2	0.40	83.9	12.3	61.9	3H
851791	N7405901/N7402705	N8404901	HRW	62.8	73.8	0.40	88.6	11.4	60.8	2H
851792	HATTON	C1017772	HRW	64.3	73.0	0.36	88.8	11.7	61.4	2H
851793	BATUM	P1495013	HRW	62.2	64.3	0.34	76.3	11.3	62.8	2H

1/ Observed Values Corrected to 14% Moisture Basis.
3/ Absorption at 14% Moisture Corrected to 11% Protein.
4/ Observed Values Corrected to 11% Protein.

5/ Particularly Promising Overall Quality Characteristics.
6/ Promising Overall Quality Characteristics.

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC 3/	MTIME	LVOL	LVOLC 4/	BCRGR	RMKS
851784	CER/N7407202//N7401202	N8403405	HRW	61.9	61.8	2.1	880	874	6	Q-BCRGR
851785	CER/N7407202//N7401202	N8403406	HRW	60.9	60.9	2.6	840	840	6	Q-BCRGR
851786	N7001716/WA5136//JO-0302	N8403603	HRW	64.4	64.4	2.1	860	860	7	P-BCRGR
851787	KAVKAZ/C117271	N8403701	HRW	63.3	63.4	2.6	895	901	5	Q-BCRGR
851788	KAVKAZ/C117271	N8403702	HRW	63.9	63.2	2.5	930	887	3	
851789	KAVKAZ/C117271	N8403703	HRW	62.9	63.2	2.6	905	924	4	
851790	N7401612/PAHA	N8404101	HRW	64.9	63.6	3.5	970	889	4	
851791	N7405901/N7402705	N8404901	HRW	61.9	61.5	2.3	960	935	6	Q-BCRGR
851792	HATTON	C1017772	HRW	62.8	62.1	2.2	920	877	4	
851793	BATUM	P1495013	HRW	62.8	62.5	1.2	990	971	5	Over Tempered

COMMENTS: Hatton is low in flour yield due to error in tempering. The entire nursery has unusually shortened mixing time requirements as demonstrated by Hatton and Batum. Similarly, environments have modified the bread crumb characteristics. New selections were judged accordingly, compared with the checks.

Q = Questionable; P = Poor

NURSCO 73

LIND, WA

E. DONALDSON

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	BABS
						1/		1/	3/		
851794	HATTON I	C1017772	HRW	64.8	70.8	0.37	87.0	11.6	61.7	2H	62.0
851795	6816 ROGUE	N8500101	HRW	62.4	70.5	0.34	88.1	12.2	61.4	6M	63.3
851796	WA5514/IT//C117271/STURD	N8500201	HRW	63.2	67.7	0.35	84.7	13.2	58.0	1H	
851797	WA5514/IT//N7001422/LUKE	N8500301	HRW	63.6	69.9	0.36	86.6	12.2	62.4	2H	
851798	SAGE/KOELZ7941/2*MC	N8500401	HRW	62.4	68.5	0.33	86.4	11.8	62.9	3H	
851799	SAGE/WA6364	N8500501	HRW	62.8	68.6	0.40	83.1	12.5	62.8	5H	
851800	CERCO/N7402705	5/N8500601	HRW	63.2	70.0	0.36	86.5	10.7	62.8	4M	62.2
851801	ID000092/N7402703	N8500701	HRW	63.2	68.7	0.36	85.4	12.1	61.6	2H	
851802	ID000092/N7402703	5/N8500702	HRW	64.4	71.4	0.35	88.4	11.6	61.0	4H	61.8
851803	ID000092/N7402703	5/N8500703	HRW	63.6	70.5	0.38	86.2	11.1	61.5	4H	61.3
851804	ID000092/WA6364	N8500801	HRW	64.0	70.6	0.34	88.2	11.6	62.6	2H	62.9
851805	ID000092/WA6364	5/N8500802	HRW	63.2	70.1	0.34	87.9	11.9	63.4	2H	63.5
851806	ID000092/WA6364	N8500803	HRW	62.4	73.0	0.35	90.2	11.8	63.6	2H	
851807	ID000092/WA6364	N8500804	HRW	62.8	69.8	0.34	87.7	11.4	63.8	2H	63.4
851808	HATTON II	C1017772	HRW	64.4	71.4	0.35	88.7	11.3	61.5	2H	61.5
851809	TX69A450-1/KOELZ7941/2*M	5/N8500901	HRW	62.8	72.7	0.38	88.7	11.5	63.0	6H	64.2
851810	9342/13438//HTN SIB	5/N8501001	HRW	62.8	72.5	0.37	88.6	11.4	63.7	5H	63.8
851811	9342/13438//HTN SIB	5/N8501002	HRW	64.0	69.1	0.35	86.5	11.9	61.8	2H	62.4
851812	C19342/IT//ID000092	5/N8501101	HRW	62.8	71.1	0.36	87.6	13.1	61.9	3H	63.2
851813	C19342/IT//ID000092	5/N8501102	HRW	63.2	70.5	0.35	87.9	12.4	60.2	2H	60.8
851814	C19342/IT//ID000092	N8501103	HRW	63.6	70.6	0.32	89.4	12.4	58.2	1H	
851815	C19342/IT//ID000092	N8501104	HRW	63.2	72.2	0.35	89.3	12.2	61.4	3H	
851816	N7200022/N7402602	N8501201	HRW	63.6	69.2	0.34	86.9	11.6	61.1	3H	
851817	N7200022/N7301902	N8501301	HRW	62.0	69.9	0.36	86.6	11.8	60.7	2H	
851818	N7302901/ID000092	N8501401	HRW	63.6	69.2	0.33	87.7	11.1	64.2	2H	
851819	PI173440/GAINES//CTK	N8501602	HRW	63.6	69.5	0.37	85.7	11.8	62.9	3H	
851820	HTN SIB/ID000092	N8502001	HRW	64.0	70.0	0.40	84.8	11.7	63.2	3H	
851821	HTN SIB//C19342/13438	5/N8502101	HRW	64.4	69.8	0.35	86.7	11.3	62.9	4H	62.9
851822	WA6364/N7301901	N8502201	HRW	64.4	70.5	0.36	87.3	11.4	61.9	4H	
851823	N7404003/N7200044	N8502601	HRW	65.2	70.8	0.31	90.1	10.2	63.0	4M	
851824	N7404003/WA6365	N8502701	HRW	65.6	68.8	0.33	86.7	12.2	62.5	2H	62.5
851825	N7405502/N7402705	5/N8502801	HRW	62.4	70.5	0.35	87.6	12.5	61.8	3H	
851826	HATTON III	C1017772	HRW	65.2	70.8	0.36	87.7	12.0	61.6	2H	62.3
851827	ALLEN#54/ID000092	N8503101	HRW	62.8	66.3	0.37	82.3	12.0	59.8	3M	
851828	N74022701/SAGE	N8501901	HRW	63.2	70.8	0.38	86.3	11.1	60.2	4M	

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 12% Protein.

4/ Observed Values Corrected to 12% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 73

LIND, WA

E. DONALDSON

LABNUM	VARIETY	IDNO	CLASS	BABSC 3/	MTIME	LVOL	LVOLC 4/	BCRGR	CODI	CODIC	RMKS
851794	HATTON I	C1017772	HRW	62.4	1.9	960	985	4			Low LVOL
851795	6816 ROGUE	N8500101	HRW	63.1	3.2	918	906	2			
851796	WA5514/IT//C117271/STURD	N8500201	HRW								
851797	WA5514/IT//N7001422/LUKE	N8500301	HRW								
851798	SAGE/KOELZ7941/2*MC	N8500401	HRW								
851799	SAGE/WA6364	N8500501	HRW								Q-BCRGR
851800	CERCO/N7402705	N8500601	HRW	63.5	3.0	990	1071	3			
851801	ID000092/N7402703	N8500701	HRW								
851802	ID000092/N7402703	N8500702	HRW	62.2	3.3	990	1015	2			
851803	ID000092/N7402703	N8500703	HRW	62.2	2.9	980	1036	4			
851804	ID000092/WA6364	N8500801	HRW	63.3	2.2	985	1010	4			P-MTIME Q-MTIME
851805	ID000092/WA6364	N8500802	HRW	63.6	1.9	1080	1086	2			
851806	ID000092/WA6364	N8500803	HRW								P-MTIME&BCRGR P-MTIME&BCRGR
851807	ID000092/WA6364	N8500804	HRW	64.0	1.4	1015	1052	5			
851808	HATTON II	C1017772	HRW	62.2	2.2	960	1003	5			Q-MTIME&BCRGR "HIGH PROT." "HIGH PROT."
851809	TX69A450-1/KOELZ7941/2*M	N8500901	HRW	64.7	7.2	1020	1051	2			
851810	9342/13438//HTN SIB	N8501001	HRW	64.4	4.2	975	1012	2			
851811	9342/13438//HTN SIB	N8501002	HRW	62.5	2.2	1010	1016	4			
851812	C19342/IT//ID000092	N8501101	HRW	62.1	2.5	973	905	2			
851813	C19342/IT//ID000092	N8501102	HRW	60.4	2.4	955	930	2			Low LVOL
851814	C19342/IT//ID000092	N8501103	HRW								
851815	C19342/IT//ID000092	N8501104	HRW	61.1	2.4	900	888	2			
851816	N7200022/N7402602	N8501201	HRW								
851817	N7200022/N7301902	N8501301	HRW								
851818	N7302901/ID000092	N8501401	HRW								
851819	P1173440/GAINES//CTK	N8501602	HRW								
851820	HTN SIB/ID000092	N8502001	HRW								
851821	HTN SIB//C19342/13438	N8502101	HRW	63.6	3.0	1010	1053	2			
851822	WA6364/N7301901	N8502201	HRW								
851823	N7404003/N7200044	N8502601	HRW								
851824	N7404003/WA6365	N8502701	HRW								
851825	N7405502/N7402705	N8502801	HRW	62.0	2.3	1000	969	2			
851826	HATTON III	C1017772	HRW	62.3	1.9	960	960	4			
851827	ALLEN#54/ID000092	N8503101	HRW								
851828	N74022701/SAGE	N8501901	HRW								

NURSCO 73

LIND, WA

E. DONALDSON

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH 1/	MSCOR	FPROT 1/	MABSC 3/	MTYPE	BABS
851829	KAVKAZ/MCCALL	N8503201	HRW	62.4	69.2	0.35	86.3	12.1	60.6	3M	61.9
851830	WA5514/IT//KVZ	N8503301	HRW	62.8	69.1	0.35	86.2	11.5	59.6	4M	
851831	WA6366/N7501404	N8503501	HRW	64.4	67.9	0.35	85.1	11.4	60.5	3H	
851832	WA6366/N7501404	N8503502	HRW	65.2	71.7	0.35	89.0	11.1	61.7	4H	
851833	HATTON IV	C1017772	HRW	64.8	70.4	0.37	86.5	11.6	61.0	2H	61.3
851834	WA6366/N7501404	6/N8503503	HRW	64.8	71.6	0.37	87.7	11.3	61.3	3H	61.3
851835	WA6366/N7501404	6/N8503504	HRW	64.8	70.4	0.36	86.9	11.1	61.6	3H	61.4
851836	N7402702/N7602202	N8503601	HRW	62.8	70.6	0.39	85.8	10.4	61.7	6M	
851837	N7402702/N7602202	N8503602	HRW	62.4	70.1	0.37	86.2	12.3	61.4	2H	
851838	N7402702/N7602301	6/N8503703	HRW	62.8	72.3	0.36	89.0	11.4	59.8	2H	59.9
851839	N7402702/N7602301	6/N8503704	HRW	65.0	71.5	0.36	88.3	11.4	62.3	3H	62.4
851840	N7402702/N7602301	N8503705	HRW	65.0	71.2	0.36	87.7	11.3	62.9	3H	
851841	N7402702/N7602301	N8503707	HRW	64.8	71.0	0.38	86.8	11.5	62.3	3H	
851842	N7402702/N7602301	6/N8503701	HRW	64.8	71.7	0.36	88.3	11.5	60.5	3H	61.7
851843	N7402702/N7602301	N8502702	HRW	64.8	70.9	0.37	87.2	11.3	61.9	3H	
851844	N7405001/N7402707	N8503801	HRW	62.8	70.5	0.41	84.8	10.7	61.3	3H	
851845	N7503801/N7402707	6/N8504301	HRW	63.6	70.1	0.41	84.4	11.7	60.8	3H	62.2
851846	N7503801/N7602301	N8504501	HRW	62.4	65.6	0.35	82.6	12.1	59.1	2H	
851847	WA6473/N7402707	6/N8504701	HRW	63.2	71.2	0.34	88.7	10.9	59.8	6M	60.4
851848	WA6473/N7402707	6/N8504702	HRW	62.4	69.2	0.41	83.3	10.4	61.6	3H	61.7
851849	HATTON V	C1017772	HRW	64.8	70.2	0.37	86.3	11.3	60.8	2H	60.8
851850	N7504202/N7600306	6/N8505001	HRW	64.0	70.2	0.37	86.3	11.1	60.4	3H	61.2
851851	N7504202/N7602301	6/N8505101	HRW	62.4	69.9	0.36	86.3	12.3	62.4	5H	64.4
851852	CERCO/HATTON	6/N8505401	HRW	63.2	71.3	0.37	87.3	11.2	62.4	5H	63.3
851853	N7701804/HATTON	N8505601	HRW	65.4	66.3	0.36	82.8	11.7	62.6	4H	
851854	WESTON/N7703104	6/N8505703	HRW	63.2	68.8	0.38	84.5	11.4	62.1	5H	63.2
851855	WESTON/N7703104	N8505701	HRW	63.6	70.4	0.34	88.3	12.7	61.8	2H	
851856	WESTON/N7703104	6/N8505702	HRW	63.2	69.3	0.38	85.0	11.7	61.9	5H	63.3
851857	ID000158/MT7431	N8505801	HRW	62.4	67.3	0.36	83.9	12.1	61.9	5H	
851858	MT7431/VH078035	N8505901	HRW	63.6	66.9	0.36	83.5	12.3	62.3	4H	
851859	SD75375/WA6584	6/N8506101	HRW	63.6	69.1	0.33	87.1	12.1	62.3	4H	64.1
851860	N7701501/HATTON	N8506201	HRW	64.8	69.3	0.39	84.3	11.6	61.1	2H	64.4
851861	N7701501/VONA	6/N8506302	HRW	64.0	68.9	0.33	86.8	12.3	62.4	4H	66.4
851862	N7701501/VONA	6/N8506301	HRW	64.0	68.4	0.34	86.2	12.0	64.7	4H	60.4
851863	HATTON VI	C1017772	HRW	65.2	70.4	0.36	87.2	11.3	60.9	2H	

NURSCO 73

LIND, WA

E. DONALDSON

LABNUM	VARIETY	IDNO	CLASS	BABSC 3/	MTIME	LVOL	LVOLC 4/	BCRGR	CODI	CODIC 4/	RMKS
851829	KAVKAZ/MCCALL	N8503201	HRW	61.8	2.2	870	864	6			P-LVOL&BCRGR
851830	WA5514/IT//KVZ	N8503301	HRW								
851831	WA6366/N7501404	N8503501	HRW								
851832	WA6366/N7501404	N8503502	HRW								
851833	HATTON IV	C1017772	HRW	61.7	2.0	990	1015	4			
851834	WA6366/N7501404	N8503503	HRW	62.0	2.8	960	1003	3			
851835	WA6366/N7501404	N8503504	HRW	62.3	2.8	965	1021	4			Q-BCRGR
851836	N7402702/N7602202	N8503601	HRW								
851837	N7402702/N7602202	N8503602	HRW								
851838	N7402702/N7602301	N8503703	HRW	60.5	2.2	975	1012	4			Q-BCRGR
851839	N7402702/N7602301	N8503704	HRW	63.0	2.5	1005	1042	4			Q-BCRGR
851840	N7402702/N7602301	N8503705	HRW								
851841	N7402702/N7602301	N8503707	HRW								
851842	N7402702/N7602301	N8503701	HRW	62.2	3.0	975	1006	3			
851843	N7402702/N7602301	N8502702	HRW								
851844	N7405001/N7402707	N8503801	HRW								
851845	N7503801/N7402707	N8504301	HRW	62.5	2.6	985	1004	2			
851846	N7503801/N7602301	N8504501	HRW								
851847	WA6473/N7402707	N8504701	HRW	61.5	3.4	935	1003	2			
851848	WA6473/N7402707	N8504702	HRW	63.3	3.1	955	1054	3			Q-FYELD&PROT.
851849	HATTON V	C1017772	HRW	61.5	2.3	955	998	2			
851850	N7504202/N7600306	N8505001	HRW	62.1	3.2	1000	1056	2			
851851	N7504202/N7602301	N8505101	HRW	64.1	5.0	1030	1011	2			
851852	CERCO/HATTON	N8505401	HRW	64.1	5.0	925	975	2			
851853	N7701804/HATTON	N8505601	HRW								
851854	WESTON/N7703104	N8505703	HRW	63.8	3.9	1020	1057	1			
851855	WESTON/N7703104	N8505701	HRW								
851856	WESTON/N7703104	N8505702	HRW	63.6	4.0	1065	1084	2			
851857	JD000158/MT7431	N8505801	HRW								
851858	MT7431/VH078035	N8505901	HRW								
851859	SD75375/WA6584	N8506101	HRW	64.0	3.3	970	964	2			
851860	N7701501/HATTON	N8506201	HRW								
851861	N7701501/VONA	N8506302	HRW	64.1	2.8	1000	981	2			
851862	N7701501/VONA	N8506301	HRW	66.4	3.0	1060	1060	3			Q-FYELD
851863	HATTON VI	C1017772	HRW	61.1	2.0	950	993	3			

NURSCO 73

LIND, WA

E. DONALDSON

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	BABS
						1/ 3/		1/ 3/			
851864	N7701501/VH078279	N8506402	HRW	64.0	68.5	0.36	85.3	11.6	61.0	4H	62.3
851865	CERCO/SD75375	N8506701	HRW	64.4	71.9	0.33	90.2	9.6	61.6	2H	
851866	286011(WHITE)/N7905901	N8506902	HRW	62.8	69.1	0.34	86.7	11.8	58.9	1H	
851867	286011(WHITE)/N7905901	N8506903	HRW	62.8	70.1	0.35	87.6	12.7	60.1	1H	
851868	286011(WHITE)/N7905901	N8506901	HRW	63.2	70.4	0.33	88.7	11.0	61.0	1H	
851869	286011/N7106043//VPM/MC	N8507002	HRW	63.6	69.5	0.34	87.3	12.0	59.5	1H	
851870	HATTON VII	C1017772	HRW	64.8	70.6	0.37	86.7	11.7	60.5	2H	61.9
851871	NORSTAR/HATTON	6/N8507401	HRW	62.4	72.3	0.39	87.4	12.2	62.4	4H	63.8
851872	NORSTAR/HATTON	6/N8507402	HRW	64.0	70.8	0.38	86.6	11.9	61.2	5H	62.8
851873	NORSTAR/HATTON	6/N8507403	HRW	62.8	70.6	0.38	86.2	12.2	61.0	4H	61.9
851874	NORSTAR/N7905001	5/N8507601	HRW	63.6	71.2	0.36	88.0	12.7	62.9	5H	64.3
851875	WTN//KVZ/C117271	5/N8507701	HRW	62.8	70.5	0.37	86.6	12.7	62.8	5H	65.2
851876	WESTON/N7904302	6/N8507801	HRW	63.6	71.6	0.36	88.5	12.2	61.6	2H	63.5
851877	ND7481/N7901901	6/N8508001	HRW	63.6	70.2	0.37	86.2	11.9	61.6	6H	63.2
851878	NE75414/N7902601	6/N8508102	HRW	63.2	70.8	0.37	87.1	11.9	60.9	3H	61.5
851879	NE75414/N7902601	N8508101	HRW	62.4	70.0	0.41	84.3	10.9	60.5	4M	
851880	ID005012/WA5866//VPM/MC	5/N8508402	HRW	63.2	73.0	0.35	90.6	13.5	60.4	4M	63.1
851881	ID005012/WA5866//VPM/MC	N8508404	HRW	62.8	72.2	0.34	90.3	12.1	61.3	2H	
851882	ID005012/WA5866//VPM/MC	N8508401	HRW	62.8	69.7	0.33	88.0	12.8	60.6	2H	
851883	CER/17271//CER/N7107028	N8508501	HRW	62.8	69.1	0.35	86.4	11.5	61.1	4M	
851884	N7803101/N7903302	N8508601	HRW	63.6	70.0	0.38	85.7	11.5	61.1	3H	
851885	N7803101/N74031-B8	6/N8508701	HRW	62.8	68.7	0.33	86.7	11.4	63.2	4H	63.8
851886	N80047/N7900403	N8509101	HRW	62.8	67.1	0.37	82.9	12.5	63.3	3H	
851887	N80079/N7900701	N8509401	HRW	64.0	70.5	0.33	88.9	12.0	62.6	5H	64.3
851888	N80079/N7900701	6/N8509402	HRW	64.4	70.7	0.34	88.2	12.0	64.2	5H	65.9
851889	N80079/N7906201	N8509501	HRW	62.8	65.1	0.33	82.9	11.9	61.9	4H	
851890	HATTON VIII	C1017772	HRW	64.4	69.7	0.37	86.0	11.2	60.9	2H	60.8
851891	NE77663/WA6817	N8509702	HRW	63.6	70.0	0.33	88.3	11.8	61.8	3H	62.3
851892	WA6817/N75089(558)	6/N8509902	HRW	62.4	70.0	0.34	87.5	11.9	61.7	4H	63.3
851893	WA6817/N75089(558)	6/N8509901	HRW	62.4	69.0	0.34	86.5	11.7	60.9	4H	62.3
851894	N81014/CTK78	6/N8510201	HRW	62.4	71.8	0.36	88.7	12.3	59.8	3H	60.8
851895	N81015/WESTON	N8510302	HRW	63.2	70.3	0.35	87.3	10.5	63.2	2H	
851896	N81015/WESTON	N8510303	HRW	63.2	69.4	0.33	87.4	11.9	58.8	3M	
851897	N81015/WESTON	N8510301	HRW	62.8	67.7	0.35	84.9	11.6	59.6	1H	
851898	N81027/S X W 321(788)	N8510401	HRW	62.0	67.6	0.39	82.4	12.7	60.4	2H	

NURSCO 73

LIND, WA

E. DONALDSON

LABNUM	VARIETY	IDNO	CLASS	BABSC 3/	MTIME	LVOL	LVOLC 4/	BCRGR	CODI	CODIC 4/	RMKS
851864	N7701501/VH078279	N8506402	HRW	62.7	3.2	1025	1050	4			Q-FYELD&BCRGR
851865	CERCO/SD75375	N8506701	HRW								
851866	286011(WHITE)/N7905901	N8506902	HRW								
851867	286011(WHITE)/N7905901	N8506903	HRW								
851868	286011(WHITE)/N7905901	N8506901	HRW								
851869	286011/N7106043//VPM/MC	N8507002	HRW								
851870	HATTON VII	C1017772	HRW	62.2	2.3	975	994	3			
851871	NORSTAR/HATTON	N8507401	HRW	63.6	4.1	1035	1023	4			Q-BCRGR
851872	NORSTAR/HATTON	N8507402	HRW	62.9	4.1	1015	1021	4			Q-BCRGR
851873	NORSTAR/HATTON	N8507403	HRW	61.7	3.3	1005	993	2			
851874	NORSTAR/N7905001	N8507601	HRW								
851875	WIN//KVZ/C117271	N8507701	HRW	63.6	4.0	1025	982	2			
851876	WESTON/N7904302	N8507801	HRW	64.5	4.1	1000	957	2			
851877	ND7481/N7901901	N8508001	HRW	63.3	2.3	1050	1038	2			Q-MTIME
851878	NE75414/N7902601	N8508102	HRW	63.3	4.8	1015	1021	4			Q-BCRGR
851879	NE75414/N7902601	N8508101	HRW	61.6	2.4	1050	1056	3			Q-MTIME
851880	ID005012/WA5866//VPM/MC	N8508402	HRW								"HIGH PROT."
851881	ID005012/WA5866//VPM/MC	N8508404	HRW	61.6	3.0	1000	907	2			
851882	ID005012/WA5866//VPM/MC	N8508401	HRW								
851883	CER/17271//CER/N7107028	N8508501	HRW								
851884	N7803101/N7903302	N8508601	HRW								
851885	N7803101/N74031-B8	N8508701	HRW	64.4	3.2	1025	1062	2			Q-FYELD
851886	N80047/N7900403	N8509101	HRW								
851887	N80079/N7900701	N8509401	HRW	64.3	4.2	895	895	4			P-LVOL&BCRGR
851888	N80079/N7900701	N8509402	HRW	65.9	3.5	940	940	2			
851889	N80079/N7906201	N8509501	HRW								
851890	HATTON VIII	C1017772	HRW	61.6	2.1	935	985	3			
851891	NE77663/WA6817	N8509702	HRW	62.5	2.5	910	922	4			
851892	WA6817/N75089(558)	N8509902	HRW	63.4	4.0	985	991	3			Q-LVOL&BCRGR
851893	WA6817/N75089(558)	N8509901	HRW	62.6	3.2	985	1004	3			
851894	N81014/CTK78	N8510201	HRW								
851895	N81015/WESTON	N8510302	HRW	60.5	2.5	1000	981	3			Q-MTIME
851896	N81015/WESTON	N8510303	HRW								
851897	N81015/WESTON	N8510301	HRW								
851898	N81027/S X W 321(788)	N8510401	HRW								

NURSCO 73

LIND, WA

E. DONALDSON

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	BABS
						1/ 1/		1/ 1/	3/ 3/		
851899	N81106/N75092(564)	N8510501	HRW	62.8	69.0	0.38	84.8	10.9	61.2	2H	61.9
851900	AMICO/RANNAYA12	6/N8505301	HRW	63.2	69.0	0.38	84.5	11.2	61.5	2H	63.4
851901	NORSTAR/WESTON	N8507502	HRW	63.2	71.4	0.35	88.7	12.6	62.6	2H	63.5
851902	CER/HTN/3/REGO/CNN//WN	6/N8508801	HRW	62.8	73.4	0.39	88.5	12.1	61.7	6H	67.8
851903	CER/HTN//N7905001	6/N8508903	HRW	62.4	70.3	0.35	87.4	12.2	65.9	5H	
851904	CER/HTN//N7905001	N8508905	HRW	62.8	67.6	0.38	83.1	13.2	64.2	5H	66.6
851905	N80062/N7902501	6/N8509201	HRW	62.0	70.7	0.36	87.5	12.1	61.7	3H	63.5
851906	N377663/WA6817	6/N8509701	HRW	63.6	70.8	0.34	88.5	12.0	61.0	4H	62.7
851907	WA6817/ID735103(617)	6/N8510001	HRW	62.0	70.2	0.35	87.5	12.1	62.4	5H	64.2
851908	NUGAINES IX	C1013968	SWW	63.6	67.7	0.37	83.6	10.6	57.2	2M	55.5
851909	N7300401/REQUA	6/N8501501	SWW	63.2	68.0	0.36	84.8	10.7	54.5	3M	54.4
851910	N7402601/N7200022	6/N8501701	SWW	63.6	66.9	0.37	82.8	10.4	59.3	3M	
851911	N7402601/ALLEN#7	N8501801	SWW	64.4	67.8	0.38	83.2	10.2	58.8	4M	58.2
851912	N7402705/N7302601	N8502401	SWW	64.4	67.4	0.37	83.5	11.1	58.7	1H	
851913	N7407801/NUGAINES	N8502901	SWW	62.4	66.8	0.39	81.3	11.2	60.0	2H	
851914	HATTON X	C1017772	HRW	64.0	70.1	0.37	86.0	11.4	61.7	2H	61.3
851915	P1173440/GAINES//CTK	6/N8501601	HRW	63.2	70.2	0.38	85.6	11.7	60.5	2H	61.9
851916	WA6364/CTK	N8502301	HRW	63.6	71.0	0.33	89.4	11.3	63.5	2H	
851917	N7404003/WA6365	N8502702	HRW	64.4	68.8	0.35	85.8	11.2	64.8	4H	
851918	WA6366/N7501404	6/N8503505	HRW	65.2	71.0	0.36	87.7	11.5	63.9	3H	63.6
851919	WA6366/N7501404	N8503506	HRW	62.8	69.6	0.38	85.0	11.7	61.5	1H	
851920	N7503801/N7504201	N8504401	HRW	62.0	69.4	0.38	84.8	10.3	61.4	4M	
851921	HATTON XI	C1017772	HRW	64.0	70.1	0.37	86.1	11.2	63.7	2H	63.1
851922	N7701501/HATTON	N8506202	HRW	63.6	69.8	0.37	86.1	10.9	62.8	3H	
851923	N7701501/VH078279	N8506403	HRW	63.6	67.1	0.36	83.7	11.4	64.8	4H	
851924	N7701501/VH078279	6/N8506401	HRW	62.4	68.4	0.36	85.2	11.4	63.1	4H	63.7
851925	N7804301/VH078279	6/N8506501	HRW	62.8	69.8	0.37	85.9	11.7	63.3	4H	64.2
851926	HELME//NB68-25/N7106074	6/N8506601	HRW	62.0	67.9	0.35	84.8	11.5	64.2	4H	64.4
851927	286011/3/9342/1T//17271	5/N8506801	HRW	61.6	69.6	0.37	85.6	13.4	63.4	3H	66.5
851928	NORSTAR/CERCO	5/N8507301	HRW	63.6	73.3	0.35	90.7	11.8	63.8	5H	64.3
851929	HATTON XII	C1017772	HRW	63.6	68.7	0.39	83.9	11.7	63.0	3H	62.9
851930	NORSTAR/WESTON	5/N8507501	HRW	62.4	71.3	0.36	88.1	11.2	64.8	6H	65.2
851931	MT7431/N7901901	6/N8507901	HRW	62.0	67.3	0.41	81.2	12.6	65.0	7H	67.3
851932	CER/17271//CER/N7107028	6/N8508502	HRW	62.0	67.8	0.37	84.1	11.5	62.0	3H	
851933	N7803101/N7903302	6/N8508602	HRW	63.2	68.1	0.34	85.7	11.5	63.8	3H	65.0

NURSCO 73

LIND, WA

E. DONALDSON

LABNUM	VARIETY	IDNO	CLASS	BABSC 3/	MTIME	LVOL	LVOLC 4/	BCRGR	CODI	CODIC	RMKS
851899	N81106/N75092(564)	N8510501	HRW								
851900	AMIGO/RANNAYA12	N8505301	HRW	62.7	2.2	965	1015	3			Q-MSCOR&MTIME
851901	NORSTAR/WESTON	N8507502	HRW	62.8	1.8	1025	988	4			P-MTIME Q-BCRGR
851902	CER/HTN/3/REGO/CNN//WN	N8508801	HRW	63.4	5.0	965	959	4			Q-BCRGR
851903	CER/HTN//N7905001	N8508903	HRW	67.6	5.0	935	923	4			Q-BCRGR
851904	CER/HTN//N7905001	N8508905	HRW	65.4	4.2	1055	981	2			Q-P-FYELD
851905	N80062/N7902501	N8509201	HRW	63.4	3.1	1040	1034	4			Q-BCRGR
851906	N377663/WA6817	N8509701	HRW	62.7	3.3	955	955	4			Q-LVOL&BCRGR
851907	WA6817/ID735103(617)	N8510001	HRW	64.1	4.3	990	984	3			
851908	NUGAINES IX	C1013968	SWW	56.9	1.1	780	864	9	9.14	8.98	
851909	N7300401/REQUA	N8501501	SWW	55.7	3.0	880	958	6	9.15	9.01	
851910	N7402601/N7200022	N8501701	SWW								
851911	N7402601/ALLEN#7	N8501801	SWW	60.0	4.1	940	1048	4	9.06	8.86	
851912	N7402705/N7302601	N8502401	SWW								
851913	N7407801/NUGAINES	N8502901	SWW								
851914	HATTON X	C1017772	HRW	61.9	2.2	960	997	4			Q-LVOL&BCRGR
851915	P1173440/GAINES//CTK	N8501601	HRW	62.2	2.3	935	954	4			
851916	WA6364/CTK	N8502301	HRW								
851917	N7404003/WA6365	N8502702	HRW								
851918	WA6366/N7501404	N8503505	HRW	64.1	3.0	950	981	4			Q-BCRGR
851919	WA6366/N7501404	N8503506	HRW								
851920	N7503801/N7504201	N8504401	HRW								
851921	HATTON XI	C1017772	HRW	63.9	2.3	960	1010	4			
851922	N7701501/HATTON	N8506202	HRW								
851923	N7701501/VH078279	N8506403	HRW								
851924	N7701501/VH078279	N8506401	HRW	64.3	4.2	1015	1052	2			
851925	N7804301/VH078279	N8506501	HRW	64.5	3.3	1020	1039	3			
851926	HELME//NB68-25/N7106074	N8506601	HRW	64.9	4.3	1040	1071	2			
851927	286011/3/9342/IT//17271	N8506801	HRW	65.1	3.0	1120	1033	2			Q-MSCOR
851928	NORSTAR/CERCO	N8507301	HRW	64.5	5.0	1010	1022	3			"HIGH PROT."
851929	HATTON XII	C1017772	HRW	63.2	2.4	990	1009	4			
851930	NORSTAR/WESTON	N8507501	HRW	66.0	5.3	1050	1100	2			Q-FYELD
851931	MT7431/N7901901	N8507901	HRW	66.7	6.4	1110	1073	2			
851932	CER/17271//CER/N7107028	N8508502	HRW								
851933	N7803101/N7903302	N8508602	HRW	65.5	3.1	975	1006	3			Q-FYELD

NURSCO 73

LIND, WA

E. DONALDSON

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	BABS
						1/ 3/		1/ 3/			
851934	CER/HTN//N7905001	N8508901	HRW	63.6	70.9	0.38	86.3	11.3	62.4	3H	
851935	CER/HTN//N7905001	6/N8508902	HRW	63.2	69.6	0.31	89.0	12.5	64.1	5H	65.8
851936	ID126/CER//FROID/LANCER	N8509002	HRW	63.2	68.4	0.36	85.2	11.1	62.1	4M	
851937	HATTON XIII	C1017772	HRW	64.0	70.2	0.36	87.1	11.6	63.0	2H	63.3
851938	NUCAINES XIII	C1013968	SWW	62.8	66.9	0.38	81.8	10.5	57.3	2M	
851939	N80080/N7903601	N8509601	HRW	62.0	68.6	0.34	86.0	11.9	63.3	5H	64.9
851940	SD76569/WA6817	N8509801	HRW	62.4	71.8	0.32	90.4	11.0	61.9	3M	
851941	WA6820/CO710125	N8510101	HRW	63.2	70.2	0.35	87.2	11.1	58.5	2M	
851942	N7406201/N7504201	6/N8503902	SWW	63.2	69.4	0.37	86.1	11.8	58.5	1H	
851943	SPRAGUE/LUKE/BARBEE	5/N8504001	SWW	62.4	67.8	0.40	82.0	11.0	58.0	1M	
851944	LUKE/NORCO//NORCO/C19342	N8508201	HRW	63.2	72.1	0.34	89.8	11.6	62.1	4H	63.4
851945	HATTON XIV	C1017772	HRW	65.6	71.3	0.37	87.5	11.2	62.5	2H	62.9
851946	N7200022/N7402602	6/N8501202	HRW	63.2	70.4	0.37	86.8	10.8	61.7	3H	62.2
851947	HTN SIB/ID000092	N8502002	HRW	63.6	70.2	0.36	87.0	11.8	62.9	2H	
851948	HTN SIB/ID000092	6/N8502003	HRW	63.6	72.4	0.40	87.3	11.2	61.1	3H	62.0
851949	C117271/N7403901	5/N8503001	HRW	62.4	71.5	0.38	87.3	11.3	60.8	3H	61.8
851950	WA6364/N7601202	6/N8503401	HRW	64.8	72.1	0.36	89.1	10.8	61.2	3H	61.2
851951	N7402702/N7602301	N8503706	HRW	64.0	71.2	0.36	88.2	11.3	61.5	3H	62.5
851952	N7406201/N7504201	5/N8503901	HRW	62.4	73.2	0.36	90.0	12.6	64.1	5H	65.4
851953	N7503201/N7602301	6/N8504101	HRW	62.0	68.3	0.36	84.8	11.6	64.0	3H	65.3
851954	N7503302/N7504202	N8504201	HRW	62.4	67.2	0.34	84.5	11.0	62.2	6M	
851955	N7503901/N7600306	N8504601	HRW	62.0	67.7	0.38	83.3	11.1	60.6	2H	
851956	WA6473/N7600306	N8504801	HRW	62.0	65.9	0.30	85.3	13.5	57.6	1H	
851957	N7504201/N7602402	N8504901	HRW	62.8	70.5	0.34	88.1	11.5	61.7	2H	62.4
851958	RANNAYA12/WA6364	N8505203	HRW	64.0	70.5	0.35	87.8	11.1	62.0	3H	62.3
851959	RANNAYA12/WA6364	N8505201	HRW	63.3	71.0	0.35	88.0	12.2	60.3	1H	
851960	RANNAYA12/WA6364	N8505202	HRW	63.2	68.0	0.37	83.8	11.8	62.4	2H	
851961	ID000126/CERCO	N8505501	HRW	63.6	70.5	0.34	88.1	11.2	61.6	4H	62.0
851962	ND7412/WA6582	6/N8506001	HRW	63.3	70.9	0.40	85.6	11.4	62.6	2H	63.2
851963	HATTON XV	C1017772	HRW	63.6	70.2	0.38	85.9	11.9	61.8	2H	62.9
851964	286011/N7106043//VPM/MC	N8507001	HRW	62.8	70.6	0.36	87.3	10.3	62.4	3M	
851965	CER/N7107028//N7901201	N8507101	HRW	62.8	67.1	0.37	83.0	11.1	60.0	3M	
851966	NORSTAR/286011(RED)	N8507201	HRW	63.2	71.2	0.37	87.4	12.2	62.2	3H	63.1
851967	N7701501/N7900601	6/N8508301	HRW	63.2	70.3	0.31	89.3	11.9	62.3	3H	62.9
851968	ID005012/WA5866//VPM/MC	6/N858403	HRW	63.3	72.6	0.35	89.8	12.9	63.2	3H	65.3

NURSCO 73

LIND, WA

E. DONALDSON

LABNUM	VARIETY	IDNO	CLASS	BABSC 3/	MTIME	LVOL	LVOLC 4/	BCRGR	CODI	CODIC 4/	RMKS
851934	CER/HTN//N7905001	N8508901	HRW								
851935	CER/HTN//N7905001	N8508902	HRW	65.3	4.2	990	959	2			"HIGH PROT."
851936	ID126/CER//FROID/LANCER	N8509002	HRW								
851937	HATTON XIII	C1017772	HRW	63.7	2.2	1000	1025	4			
851938	NUGAINES XIII	C1013968	SWW						8.95	8.78	
851939	N80080/N7903601	N8509601	HRW	65.0	3.6	865	871	6			P-LVOL&BCRGR
851940	SD76569/WA6817	N8509801	HRW								
851941	WA6820/CO710125	N8510101	HRW								
851942	N7406201/N7504201	N8503902	SWW						8.89	8.87	
851943	SPRAGUE/LUKE/BARBEE	N8504001	SWW						9.45	9.34	
851944	LUKE/NORCO//NORCO/C19342	N8508201	HRW	63.8	3.0	900	925	4			P-LVOL
851945	HATTON XIV	C1017772	HRW	63.7	2.4	865	915	4			
851946	N7200022/N7402602	N8501202	HRW	63.4	2.8	925	999	4			Q-FYELD&BCRGR
851947	HTN SIB/ID000092	N8502002	HRW								
851948	HTN SIB/ID000092	N8502003	HRW	62.8	3.5	930	980	4			Q-BCRGR
851949	C117271/N7403901	N8503001	HRW	62.5	3.4	975	1018	3			
851950	WA6364/N7601202	N8503401	HRW	62.4	3.1	925	999	4			
851951	N7402702/N7602301	N8503706	HRW	63.2	2.9	920	963	5			Q-P-BCRGR
851952	N7406201/N7504201	N8503901	HRW	64.8	5.1	1010	973	3			
851953	N7503201/N7602301	N8504101	HRW	65.7	2.3	1000	1025	3			Q-FYELD&MTIME
851954	N7503302/N7504202	N8504201	HRW								
851955	N7503901/N7600306	N8504601	HRW								
851956	WA6473/N7600306	N8504801	HRW								
851957	N7504201/N7602402	N8504901	HRW	62.9	2.4	910	941	6			P-BCRGR
851958	RANNAYA12/WA6364	N8505203	HRW	63.2	3.2	900	956	6			P-BCRGR
851959	RANNAYA12/WA6364	N8505201	HRW								
851960	RANNAYA12/WA6364	N8505202	HRW								
851961	ID000126/CERCO	N8505501	HRW	62.8	2.8	905	955	5			Q-P-BCRGR
851962	ND7412/WA6582	N8506001	HRW	63.8	2.4	960	997	3			Q-FYELD
851963	HATTON XV	C1017772	HRW	63.0	2.3	930	936	3			
851964	286011/N7106043//VPM/MC	N8507001	HRW								
851965	CER/N7107028//N7901201	N8507101	HRW								
851966	NORSTAR/286011(RED)	N8507201	HRW	62.9	2.5	920	908	4			Q-BCRGR
851967	N7701501/N7900601	N8508301	HRW	63.0	2.2	990	996	3			Q-MTIME
851968	ID005012/WA5866//VPM/MC	N858403	HRW	64.4	2.3	1015	959	2			Q-MTIME

NURSCO 73

LIND, WA

E. DONALDSON

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE	BABS
						1/		1/	3/		
851969	CER/HTN//N7905001	6/ N8508904	HRW	60.0	68.5	0.38	83.8	13.8	63.9	3H	66.9
851970	ID126/CER//FROID/LANCER	6/ N8509001	HRW	62.4	69.7	0.37	85.9	12.1	61.4	4H	62.7
851971	N80063/N74031-B8	N8509301	HRW	63.2	71.0	0.34	89.0	10.3	62.9	2H	
851972	N7403302/TX69A450-1	N8502501	HW	63.6	70.8	0.37	87.2	10.7	63.9	2H	

NURSCO 73

LIND, WA

E. DONALDSON

LABNUM	VARIETY	IDNO	CLASS	BABSC	MTIME	LVOL	LVOLC	BCRGR	CODI	CODIC	RMKS
				<u>3/</u>			<u>4/</u>			<u>4/</u>	
851969	CER/HTN//N7905001	N8508904	HRW	65.1	3.2	1005	893	4			Q-FYELD HIGH PROT.
851970	ID126/CER//FROID/LANCER	N8509001	HRW	62.6	3.3	1015	1009	5			Q-BCRGR
851971	N80063/N74031-B8	N8509301	HRW								
851972	N7403302/TX69A450-1	N8502501	HW								

COMMENTS: These were screened by evaluating the mixograms prior to baking. Those that had short development times and weak overall curve properties were not baked. See "Remarks" for major deficiencies (and/or questionable properties).

Q = Questionable; P = Poor

NURSCO 74

PULL, LIND, R. S. WA

LABNUM	VARIETY	IDNO	CLASS	FASH	WPROT	FPROT	MABSC	MTYPE	FABSC	FPEAK	FSTAB
				<u>1/</u>		<u>1/</u>	<u>3/</u>				
851973	DAWS	C1017419	SWW	0.40	12.4	10.6	57.7	3M	59.8	4.7	5.4
851974	HATTON	6/ WA7163	SWW	0.39	13.1	11.6	58.1	3M	59.7	3.6	4.2
851975	HATTON	C1017772	HRW	0.46	13.2	12.1	62.4	2H	65.0	4.6	5.2
851976	ANDREW	6/ WA6820	HRW	0.46	14.3	13.1	61.1	2H	63.9	5.2	6.7
851977	EDWALL	PI477919	SWS	0.48	10.8	9.8	55.5	2M	58.3	2.5	1.9
851978	WAMPUM	C1017691	HRS	0.49	12.4	11.6	62.3	3H	62.8	5.6	8.1
851979	WADU	6/ WA7186	SWS	0.41	12.0	10.8	60.4	6M	58.8	7.2	13.2
851980	WADU	6/ WA7187	SWS	0.44	12.3	11.7	59.1	4M	58.2	5.9	6.5
851981	WADU	6/ WA7188	SWS	0.48	12.1	11.1	59.7	3M	58.8	5.2	6.7

LABNUM	VARIETY	IDNO	CLASS	VISC	VISCC	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR
							<u>3/</u>			<u>4/</u>	
851973	DAWS	C1017419	SWW	160	172						
851974	DAWS	WA7163	SWW	189	172						
851975	HATTON	C1017772	HRW	164	139	64.2	63.1	2.0	938	870	2
851976	ANDREW	WA6820	HRW	258	191	63.9	61.8	2.2	1010	880	2
851977	EDWALL	PI477919	SWS	75	93	54.5	55.7	1.8	813	885	8
851978	WAMPUM	C1017691	HRS	154	141	62.6	62.0	2.5	1003	966	2
851979	WADU	WA7186	SWS	163	169	60.9	61.1	3.6	970	982	2
851980	WADU	WA7187	SWS	165	148	58.0	57.3	2.8	973	931	2
851981	WADU	WA7188	SWS	126	124	59.0	58.9	2.5	945	939	2

LABNUM	VARIETY	IDNO	CLASS	CODI	CODIC	CAVOL	SCSOR	WTIN	NOSCO	RMKS
					<u>4/</u>					
851973	DAWS	C1017419	SWW	8.60	8.56	1295	76.0	383	72	to Daws
851974	DAWS	WA7163	SWW	8.59	8.66	1285	77.0	384	70	
851975	HATTON	C1017772	HRW							
851976	ANDREW	WA6820	HRW							
851977	EDWALL	PI477919	SWS	9.01	8.87	1270	78.0	401	73	Q-MTIME = to Hatton
851978	WAMPUM	C1017691	HRS	8.53	8.58	1235	73.0	386	68	
851979	WADU	WA7186	SWS	8.84	8.82	1215	71.0	377	69	Q-SCSOR&NOSCO
851980	WADU	WA7187	SWS	8.75	8.83	1265	73.0	374	70	Q-SCSOR&NOSCO
851981	WADU	WA7188	SWS	8.77	8.79	1270	77.0	370	69	Q-NOSCO

1/ Observed Values Corrected to 14% Moisture Basis.3/ Absorption at 14% Moisture Corrected to 11% Protein.4/ Observed Values Corrected to 11% Protein.5/ Particularly Promising Overall Quality Characteristics.6/ Promising Overall Quality Characteristics.

COMMENTS: See "Remarks" for deficiencies. WA7186, 87, & 88 are soft white spring selections with dual purpose qualities and should be compared with Edwall and Wampum, WA7163 is to be compared with Daws, and WA6820 with Hatton.

Q = Questionable

NURSCO 75

ST. LOUIS, MO

B. O'CONNELL

LABNUM	VARIETY	IDNO	CLASS	TWT	FASH	FPROT	MABSC	MTYPE	BABS
					<u>1/</u>	<u>1/</u>	<u>3/</u>		
851982 1			HRW	60.0	0.46	11.4	61.6	4H	64.2
851983 2			HRW	60.0	0.45	10.9	62.5	8M	63.6
851984 3			HRW	60.0	0.51	11.4	63.1	8M	65.2
851985 4			HRW	60.0	0.48	11.1	63.4	7M	65.7
851986 5			HRW	60.0	0.47	11.4	64.6	8M	66.7
851987 6			HRW	60.0	0.46	11.4	63.1	8M	65.7

LABNUM	VARIETY	IDNO	CLASS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
				<u>3/</u>			<u>4/</u>		
851982 1			HRW	63.8	3.4	900	875	2	
851983 2			HRW	63.7	4.8	920	926	2	
851984 3			HRW	64.8	5.2	895	870	2	
851985 4			HRW	65.6	4.2	905	899	3 Q-BCRGR	
851986 5			HRW	66.3	5.0	873	848	6 P-BCRGR	
851987 6			HRW	65.3	5.0	935	910	2	

1/ Observed Values Corrected to 14% Moisture.

3/ Absorption at 14% Moisture Corrected to 11% Protein.

4/ Observed Values Corrected to 11% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

COMMENTS: Sample No.'s 2 and 6 are very similar and nearly equal in overall baking properties (6 is slightly better in absorption) and are the best in the group. No.'s 1 and 3 are identical in baking performance and intermediate of the group. Sample 4 is poorer in crumb structure, while No. 5 is very poor in Loaf Volume and crumb structure. All are poorer in loaf volume than normally expected for their protein level.

Q = Questionable; P = Poor

NURSCO 76

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH 1/	MSCOR	FPROT 1/	MABSC 3/	MTYPE	BABS
851988	HRS NORMAL ST. GR.		HRW	62.9	69.2	0.42	79.9	11.3	60.5	6M	63.5
851989	HRS COMPOSITE ST. GR.		HRW	62.9	70.9	0.43	81.8	11.0	62.8	6M	65.5
851990	SWW NORMAL ST. GR.		SWW	60.0	70.9	0.38	83.2	8.9	55.0	3L	54.6
851991	SWW COMPOSITE ST. GR.		SWW	60.5	72.0	0.38	83.9	9.1	55.7	3L	56.0
851992	HRS NORMAL 86%		HRW	62.9	86.0	0.92	57.3	11.5	59.6	4H	
851993	HRS COMPOSITE 86%		HRW	62.9	86.0	0.90	59.6	11.6	61.5	4H	
851994	SWW NORMAL 86%		SWW	60.0	86.0	0.83	61.3	10.2	53.5	2M	
851995	SWW COMPOSITE 86%		SWW	60.4	86.0	0.86	62.5	10.3	55.5	2M	

LABNUM	VARIETY	IDNO	CLASS	BABSC 3/	MTIME	LVOL	LVOLC 4/	BCRGR	CODI	CODIC 4/	RMKS
851988	HRS NORMAL ST. GR.		HRW	62.2	3.5	810	729	3	7.75	7.85	
851989	HRS COMPOSITE ST. GR.		HRW	64.5	4.0	840	778	3	7.79	7.87	
851990	SWW NORMAL ST. GR.		SWW	55.7	2.3	685	751	8	8.39	8.27	
851991	SWW COMPOSITE ST. GR.		SWW	56.9	2.3	675	729	8	8.40	8.30	
851992	HRS NORMAL 86%		HRW						7.59	7.71	
851993	HRS COMPOSITE 86%		HRW						7.50	7.63	
851994	SWW NORMAL 86%		SWW						7.85	7.87	
851995	SWW COMPOSITE 86%		SWW						8.06	8.10	

1/ Observed Values Corrected to 14% Moisture Basis.3/ Absorption at 14% Moisture Corrected to 10% Protein.4/ Observed Values Corrected to 10% Protein.5/ Particularly Promising Overall Quality Characteristics.6/ Promising Overall Quality Characteristics.

COMMENTS: Milling and baking was done at the request of US Wheat Associates and the Tri-State Wheat Commissions. Samples were taken from a special shipment of HRW and SWW arranged as a pilot test for US wheats in the UAE. Results indicate mediocre to poor quality for both the soft and hard wheats. Wheats were milled to normal straight grade yields and to 86% flour extraction. Normal = a randomly selected bag from the cargo. Composite = a blend of a sample from each bag.

NURSCO 77

DAVIS, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/		1/	3/	
350001*	IZPP*ANZA2 (740055-6D-1D-2D-)	518/E1	HRS	64.7	68.9	0.34	86.6	10.3	59.5	3M
350002	740055-11D-1D-4D-1D	518/E2	HRS	63.8	70.1	0.33	88.2	10.1	59.6	1H
350003	740055-26D-4D-4D-1D	518/E5	HRS	64.6	70.0	0.37	86.3	10.0	60.4	2H
350004	740055-32D-3D-3D	518/E7	HRS	64.8	69.6	0.30	89.2	10.6	60.7	4M
350005	740055-60D-2D-4D	518/E9	HRS	63.8	68.3	0.36	84.7	10.0	59.4	1H
350006	740055-89D-3D-3D	518/E12	HRS	64.6	69.6	0.35	86.8	10.1	57.2	5M
350007	740055-5D-2D-1D	518/E13	HRS	64.2	69.8	0.35	87.2	10.6	58.7	1H
350008	740055-39D-1D-4D	518/E15	HRS	64.5	69.3	0.36	86.1	9.9	58.4	1H
LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
350001	IZPP*ANZA2 (740055-6D-1D-2D-)	518/E1	HRS	61.5	61.2	2.5	805	786	6	Q-MTIME P=LVOL&BCRGR P-MIXO
350002	740055-11D-1D-4D-1D	518/E2	HRS							
350003	740055-26D-4D-4D-1D	518/E5	HRS							
350004	740055-32D-3D-3D	518/E7	HRS	63.0	62.4	2.4	870	833	5	Q-MIXO Q-BCRGR
350005	740055-60D-2D-4D	518/E9	HRS							P-MIXO
350006	740055-89D-3D-3D	518/E12	HRS	59.0	58.9	2.5	715	709	9	Q-MTIME P=LVOL&BCRGR P-MIXO
350007	740055-5D-2D-1D	518/E13	HRS							
350008	740055-39D-1D-4D	518/E15	HRS							

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 10% Protein.

4/ Observed Values Corrected to 10% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

COMMENTS: None of these selections have acceptable bread baking qualities. 518/E7 is the most promising.

*35000 are second group of 1985 crop.

NURSCO 78

DAVIS, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYIELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/		1/	3/	
350019	ANZA (C1015284)	555-2	HRS	62.4	67.4	0.38	82.7	10.6	60.2	2M
350020	CIANO 79	555-5	HRS	60.4	62.4	0.46	73.7	11.1	63.1	2H
350021	GENARO 81	555-8	HRS	62.4	64.9	0.42	78.2	12.3	61.8	4M
350022	URES 81	555-9	HRS	62.4	63.4	0.49	72.9	12.5	61.7	3H
350023	SERI 82	555-10	HWS	60.0	63.8	0.44	75.9	11.5	62.2	4M
350024	VEERY #8	555-11	HRS	63.6	65.8	0.41	79.7	11.3	61.8	3M
350025	VEERY #7	555-12	HWS	60.0	63.6	0.55	69.9	12.6	61.0	3H
350026	TYRANT S'	6/ 555-13	HWS	61.6	67.6	0.42	80.9	12.0	63.8	5H
350027	WHEATON = MN73168	6/ 555-23	HRS	60.0	67.0	0.46	78.3	12.4	66.5	5H
350028	MN7357	6/ 555-24	HRS	59.6	66.5	0.46	77.8	12.1	65.7	5H
350029	MARCOS JUAREZ INTA	6/ 555-25	HRS	60.4	64.8	0.43	77.5	13.3	65.5	5H
350030	IA7873	6/ 555-28	HWS	62.8	66.9	0.45	78.8	12.9	63.4	5H
350031	ALONDRA S'	555-30	HRS	60.0	62.2	0.56	68.3	13.4	65.3	3H
350032	TRISA INIA	5/ 555-31	HWS	63.2	69.1	0.45	81.0	12.8	65.4	6H
350033	ALMANSOR 1	555-34	HWS	61.6	65.2	0.45	76.9	11.9	63.4	3H
350034	RADUSA = NS51.28	555-35	HWS	62.8	67.0	0.40	81.5	11.7	61.4	2M
350035	V1130 = BB-SA75	6/ 555-39	HWS	62.8	67.4	0.36	84.2	13.4	62.9	2H
350036	HB501	555-42	HWS	62.0	68.4	0.44	80.6	12.3	64.4	5H

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 12% Protein.

4/ Observed Values Corrected to 12% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 78

DAVIS, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					<u>3/</u>			<u>4/</u>		
350019	ANZA (C1015284)	555-2	HRS	60.5	61.9	1.9	860	947		8 P-MTIME&BCRGR
350020	CIANO 79	555-5	HRS	63.9	64.8	2.2	910	966		6 P-FYELD, MTIME&BCRGR
350021	GENARO 81	555-8	HRS	63.8	63.5	2.8	865	846		4 P-FYELD, LVOL&BCRGR
350022	URES 81	555-9	HRS	63.9	63.4	2.9	830	799		5 VP-FYELD&BCRGR
350023	SERI 82	555-10	HWS	63.4	63.9	2.9	860	891		5 VP-FYELD&BCRGR
350024	VEERY #8	555-11	HRS	62.8	63.5	2.2	810	853		7 P-FYELD&BCRGR
350025	VEERY #7	555-12	HWS	64.3	63.7	3.0	895	858		6 VP-FYELD&BCRGR
350026	TYRANT S'	555-13	HWS	65.5	65.5	4.0	925	925		3
350027	WHEATON = MN73168	555-23	HRS	68.6	68.2	4.4	935	910		2
350028	MN7357	555-24	HRS	67.5	67.4	4.3	925	919		2 Q-FYELD
350029	MARCOS JUAREZ INTA	555-25	HRS	68.5	67.2	3.9	995	914		2 Q-FYELD
350030	IA7873	555-28	HWS	66.0	65.1	3.9	975	919		2 Q-FYELD
350031	ALONDRA S'	555-30	HRS	68.4	67.0	2.9	950	863		2 VP-FYELD Q-LVOL
350032	TRISA INIA	555-31	HWS	67.9	67.1	5.5	955	905		1 Excellent
350033	ALMANSOR 1	555-34	HWS	65.0	65.1	3.1	945	951		5 Q-FYELD&BCRGR
350034	RADUSA = NS51.28	555-35	HWS	62.8	63.1	2.0	765	784		8 P-MTIME, LVOL&BCRGR
350035	V1130 = BB-SA75	555-39	HWS	66.0	64.6	2.4	1020	933		3 Q-MTIME&BCRGR
350036	HB501	555-42	HWS	66.4	66.1	3.7	990	971		4 Q-BCRGR

COMMENTS: Several of the selections identified as promising are white seeded. Others identified are marginal in some properties. See "Remarks" for deficiencies.

P = Poor; Q = Questionable; VP = Very Poor

NURSCO 79

DAVIS, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/		1/	3/	
350037	SERI 82	553-3	HWS	62.0	65.4	0.49	75.1	11.1	60.2	3M
350038	TTRS-BOW S'	553-5	HWS	62.8	67.4	0.45	79.3	11.3	59.9	3M
350039	BUR S'-BJY S'	553-8	HRS	61.2	65.4	0.42	78.8	11.0	63.1	2H
350040	BUR S'-BJY S'	553-9	HRS	62.4	66.7	0.42	80.1	11.2	61.6	2H
350041	BUR S'-BJY S'	553-10	HRS	63.2	64.5	0.42	77.6	11.8	67.0	3H
350042	ALD S'-PUM S'	553-11	HWS	63.2	62.9	0.42	75.9	12.0	61.6	4M
350043	(INIA S'-ON*(INIA-BB/JUP)BUC S'	6/ 553-12	HWS	64.8	66.3	0.39	81.3	12.4	63.8	4H
350044	KEA S'-TOW S'	553-13	HWS	64.4	64.6	0.38	80.0	11.5	61.3	3H
350045	BNQ S'-PUN	553-14	HWS	63.6	63.2	0.42	76.3	12.5	59.3	4M
350046	(4777(2)*FRN-GB/VEE S')BUC S'-PUN S'	553-15	HWS	65.2	66.8	0.51	75.6	11.9	59.3	2H
350047	BUC S'-FLK S'	6/ 553-17	HWS	62.0	65.8	0.46	76.9	11.3	61.3	2H
350048	PAVON S'	553-18	HWS	62.8	65.6	0.41	79.3	11.3	62.9	4H
350049	KEA S'	553-19	HRS	64.8	63.1	0.44	75.5	11.8	59.9	3M
350050	VEERY S'	553-20	HRS	63.2	64.9	0.42	78.3	11.9	59.6	3M
350051	VEERY S'	553-21	HWS	62.0	63.5	0.47	74.1	12.1	59.5	3M
350052	MAYA-NAC	553-23	HWS	64.4	66.4	0.38	81.6	11.2	62.5	2H
350053	MON S'-IMU	553-26	HWS	63.2	64.6	0.43	77.3	10.9	61.9	2H
350054	(RRV-WW15/BJ S'-ON(2)*BON)NAC	5/ 553-28	HWS	64.0	66.6	0.40	80.9	11.3	61.5	3H
350055	KEA S'-BUC S'	553-29	HRS	62.8	61.6	0.48	71.4	13.1	60.7	1H

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 12% Protein.

4/ Observed Values Corrected to 12% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 79

DAVIS, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
350037	SERI 82	553-3	HWS	61.0	61.9	2.4	785	841	8	P-LVOL&BCRGR
350038	TTRS-BOW S'	553-5	HWS	60.9	61.6	2.6	830	873	8	P-LVOL&BCRGR
350039	BUR S'-BJY S'	553-8	HRS	63.8	64.8	2.0	850	912	8	P-LVOL,BCRGR&MTIME
350040	BUR S'-BJY S'	553-9	HRS	62.5	63.3	1.8	800	850	8	P-LVOL,BCRGR&MTIME
350041	BUR S'-BJY S'	553-10	HRS	68.5	68.7	2.5	885	897	5	P-LVOL&BCRGR
350042	ALD S'-PUM S'	553-11	HWS	63.3	63.3	2.8	885	885	3	P-FYELD Q-BCRGR
350043	(INIA S'-ON*INIA-BB/JUP)BUC S'	553-12	HWS	65.9	65.5	2.3	970	945	2	
350044	KEA S'-TOW S'	553-13	HWS	62.5	63.0	3.0	850	881	8	P-LVOL&BCRGR
350045	BNQ S'-PUN	553-14	HWS	61.5	61.0	2.2	825	794	8	P-LVOL&BCRGR
350046	(4777(2)*FKN-GB/VEE S')BUC S'-PUN S'	553-15	HWS	61.9	62.0	2.9	800	806	5	P-LVOL&BCRGR
350047	BUC S'-FLK S'	553-17	HWS	62.3	63.0	2.4	895	938	2	
350048	PAYON S'	553-18	HWS	63.9	64.6	3.2	910	953	7	P-BCRGR
350049	KEA S'	553-19	HRS	61.4	61.6	2.1	810	822	8	P-FYELD, LVOL, BCRGR&MT
350050	VEERY S'	553-20	HRS	61.2	61.3	2.1	775	781	8	P-LVOL,BCRGR&MTIME
350051	VEERY S'	553-21	HWS	61.3	61.2	2.1	845	839	8	P-LVOL,BCRGR&MTIME
350052	MAYA-NAC	553-23	HWS	63.4	64.2	2.2	850	900	3	Q-MTIME&BCRGR
350053	MON S'-IMU	553-26	HWS	62.5	63.6	2.0	925	993	5	Q-P-MTIME&BCRGR
350054	(RRV-WW15/BJ S'-ON(2)*BON)NAC	553-28	HWS	62.5	63.2	3.0	890	933	2	
350055	KEA S'-BUC S'	553-29	HRS	63.5	62.4	1.4	815	747	8	VP-FYELD, MTIME, LVOL&BCRGR

COMMENTS: As a nursery, these were poor in milling (flour yield), and without a good reference cultivar for a check it is not possible to assess whether this is due to genotype or environment. Flour protein levels were good, so baking results should be meaningful and relative. Selections 553-12, 553-17, and 553-28 stand out in overall quality from the other entries.

P = Poor; Q = Questionable; VP = Very Poor

USDA, SEA AR
WESTERN WHEAT QUALITY LAB.
PULLMAN, WA.

17TH INT'L WINTER WHEAT PERFORMANCE NURS

DAVIS, CA

C.O. QUALSET

NURSCO 80

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						<u>1/</u>		<u>1/</u>	<u>3/</u>	
350056	COLT (NE078696)	581-2	HRW	64.5	68.7	0.38	84.1	8.5	56.4	4L
350057	TX GH2875	581-16	HRW	63.9	65.7	0.35	82.6	8.0	57.4	3L
350058	STOUXLAND	581-30	HRW	64.6	66.3	0.38	81.6	9.2	56.7	3M
350059	ANZA (C1015284)	581-31	HRS	65.3	67.3	0.36	83.9	8.2	55.8	1M

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					<u>3/</u>			<u>4/</u>		
350056	COLT (NE078696)	581-2	HRW	58.6	58.1	2.4	755	724	5	Q-LVOL&BCRGR
350057	TX GH2875	581-16	HRW	59.1	59.1	2.6	525	525	9	P-FYELD, LVOL&BCRGR
350058	STOUXLAND	581-30	HRW	59.6	58.4	2.6	670	596	8	P-FYELD, LVOL, BCRGR
350059	ANZA (C1015284)	581-31	HRS	57.7	57.5	1.4	550	538	9	

COMMENTS: Colt is the only one of the three selections that is significantly better than Anza. Flour protein, however, is so low that differentiation may not be clear.

Q = Questionable; P = Poor

NURSCO 81

DAVIS, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC
						1/		1/	3/
* 350060	(BC60*CALIDAD)ANZA 730061-0D-0D-0D-26D-	519-8	CLUB	65.0	68.8	0.38	84.7	10.6	50.4
350061	730061-0D-0D-0D-29D-3D-2D-	519-9	CLUB	64.8	68.4	0.37	84.3	10.2	52.2
350062	730061-0D-0D-0D-008D-2D-2D-	519-11	CLUB	63.9	67.7	0.34	85.6	10.8	51.1
350063	730061-0D-0D-0D-160D-3D-3D-	519-12	CLUB	64.2	68.8	0.36	86.0	10.5	51.3
350064	730061-0D-0D-0D-187D-2D-2D-	519-14	CLUB	63.6	68.6	0.36	85.2	10.4	51.5
350065	730061-0D-0D-0D-296D-3D-2D-	519-16	CLUB	65.5	69.9	0.37	86.8	10.2	52.0
350066	730061-0D-0D-0D-50D-3D-1D-	519-18	CLUB	64.8	69.3	0.36	86.4	10.1	52.8
350067	730061-0D-0D-0D-53D-2D-2D-	519-19	CLUB	63.6	68.9	0.35	86.7	10.4	52.4
350068	730061-0D-0D-0D-162D-2D-3D-	519-20	CLUB	63.9	66.0	0.36	82.2	10.6	51.7
350069	730061-0D-0D-0D-175D-3D-2D-	519-21	CLUB	64.2	67.1	0.35	84.5	10.3	53.7
350070	ANZA (C1015284)	519-23	HRS	63.7	67.6	0.34	85.1	10.1	55.3
350071	730061-0D-0D-0D-281D-2D-2D-	519-26	CLUB	64.0	68.6	0.36	85.5	9.9	52.4
350072	730061-0D-0D-0D-339D-2D-3D-	519-27	CLUB	63.8	69.2	0.36	86.5	10.2	52.5
350073	730061-58D-3D-2D-2D-2D-3D-	519-38	CLUB	64.2	67.1	0.35	84.1	10.7	52.1

LABNUM	VARIETY	IDNO	CLASS	MTYPE	CODI	CODIC	CAVOL	SCSOR	RMKS
						4/			
350060	(BC60*CALIDAD)ANZA 730061-0D-0D-0D-26D-	519-8	CLUB	1H	8.81	8.86	1080	54.0 VP-CAVOL&SCSOR	
350061	730061-0D-0D-0D-29D-3D-2D-	519-9	CLUB	2H	8.86	8.88	1120	67.0 Q-SCSOR	
350062	730061-0D-0D-0D-008D-2D-2D-	519-11	CLUB	4M	8.75	8.81	1160	59.0 P-FYELD&SCSOR	
350063	730061-0D-0D-0D-160D-3D-3D-	519-12	CLUB	1H	8.77	8.81	1135	59.0 P-SCSOR	
350064	730061-0D-0D-0D-187D-2D-2D-	519-14	CLUB	1H	8.80	8.83	1085	54.0 VP-SCSOR	
350065	730061-0D-0D-0D-296D-3D-2D-	519-16	CLUB	4M	8.74	8.75	1105	57.0 P-SCSOR	
350066	730061-0D-0D-0D-50D-3D-1D-	519-18	CLUB	4M	8.85	8.86	1115	58.0 P-SCSOR	
350067	730061-0D-0D-0D-53D-2D-2D-	519-19	CLUB	1H	8.72	8.75	1095	55.0 VP-SCSOR	
350068	730061-0D-0D-0D-162D-2D-3D-	519-20	CLUB	2H	8.76	8.81	1070	55.0 VP-FYELD&SCSOR	
350069	730061-0D-0D-0D-175D-3D-2D-	519-21	CLUB	4M	8.90	8.92	1105	57.0 P-SCSOR	
350070	ANZA (C1015284)	519-23	HRS	2M	8.41	8.42	1150	59.0	
350071	730061-0D-0D-0D-281D-2D-2D-	519-26	CLUB	2M	8.99	8.98	1165	62.0 P-SCSOR	
350072	730061-0D-0D-0D-339D-2D-3D-	519-27	CLUB	2M	8.86	8.88	1115	58.0 P-SCSOR	
350073	730061-58D-3D-2D-2D-2D-3D-	519-38	CLUB	3M	8.95	9.00	1195	63.0 P-SCSOR	

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 10% Protein.

4/ Observed Values Corrected to 10% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

COMMENTS: These wheats fail to perform in sponge cake baking. No club or soft wheat was included for reference "check". Milling was generally equal to Anza, which is below its average in this nursery. Proteins were on the high side (1-2%). These wheats tended to be hard in texture.

*350000 #'s are a second group of the 1985 crop.

NURSCO 82

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH 1/	MSCOR	FPROT 1/	MABSC 3/	MTYPE
350074	SHASTA*YECORA ROJO 760447-SBD-SBD-SBD-	554-3	HRS	64.8	71.8	0.40	86.6	12.9	60.1	5H
350075	" 760447-SBD-SBD-22D-OD	6/554-4	HRS	65.2	71.8	0.39	86.9	11.6	60.7	3H
350076	" 760447-SBD-SBD-SBD-55D-OD	6/554-5	HRS	64.0	72.5	0.41	86.8	12.8	60.6	4H
350077	" 760447-SBD-SBD-SBD-58D-OD	6/554-6	HRS	65.2	71.7	0.37	87.8	12.5	62.4	5H
350078	" 760447-SBD-SBD-SBD-69D-OD	6/554-7	HRS	66.0	71.2	0.35	88.4	12.4	63.9	4H
350079	" 760447-SBD-SBD-SBD-84D-OD	5/554-9	HRS	64.4	73.2	0.39	88.5	12.4	62.3	3H
350080	(D6301*NA160)YECORA ROJO 770278-OD-SBD-	554-10	HRS	65.2	70.8	0.35	88.2	10.7	61.6	2H
350081	" 770278-OD-SBD-79D-OD	6/554-11	HWS	62.4	70.1	0.50	79.7	11.9	62.3	5H
350082	(D6301*NA160)TANOR171 770279-OD-SBD-42D-	554-13	HRS	64.8	68.7	0.42	82.0	12.0	63.7	5H
350083	" 770279-OD-SBD-132D-OD	554-19	HRS	65.2	70.8	0.36	87.3	10.6	62.2	8M
350084	(JANAL2*MENG-8156)=ROBIN*SHASTA 770280-	554-23	HRS	64.8	68.3	0.48	78.7	9.7	62.1	6L
350085	" 770280-OD-SBD-89D-OD	554-24	HRS	64.8	67.9	0.48	78.1	9.9	63.1	6M
350086	YECORA ROJO (C1017414)	554-29	HRS	64.4	68.6	0.44	80.9	11.3	61.6	6H
350087	ANZA (C1015284)	554-30	HRS	64.8	69.9	0.41	84.1	9.5	59.8	3M
350088	((TZPP*WTE)3NP63)*INIA S' (SON64(TZPP*	554-31	HRS	65.2	69.2	0.44	81.5	10.9	64.1	6M
350089	" 770282-OD-SBD-64D-OD	554-34	HRS	64.0	71.2	0.44	83.5	11.8	62.1	3H
350090	" 770282-OD-SBD-73D-OD	554-35	HRS	66.0	69.5	0.42	82.9	10.7	63.8	7M
350091	" 770282-OD-SBD-96D-OD	554-37	HRS	64.8	68.3	0.48	78.5	11.0	62.7	6M
350092	((TZPP*WTE)3*NP63)*(INIA S' (SON64*(TZPP	554-56	HRS	64.8	69.0	0.47	80.1	11.9	62.3	3M
350093	" 770283-OD-SBD-141D-OD	554-57	HRS	64.8	70.2	0.41	84.4	12.8	64.6	4H
350094	YECORA ROJO (C1017414)	554-59	HRS	65.2	68.1	0.49	78.0	10.6	61.1	8M
350095	ANZA (C1015284)	554-60	HRS	64.8	71.1	0.42	84.9	8.6	59.3	2M
350096	SHASTA*YECORA ROJO 770284-OD-SBD-2D-OD	554-62	HRS	66.4	68.3	0.43	81.0	9.4	60.4	8M
350097	" 770284-OD-SBD-35D-OD	6/554-64	HRS	65.2	69.5	0.47	80.2	9.9	62.9	8M
350098	SHASTA*CONCONAQUE75 77285-OD-SBD-19D-OD	554-73	HRS	64.8	67.6	0.45	79.3	10.4	61.1	6M
350099	" 770285-OD-SBD-33D-OD	6/554-75	HRS	65.6	68.8	0.44	81.2	9.4	64.8	4H
350100	" 770285-OD-SBD-47D-OD	554-78	HRS	65.2	70.9	0.44	83.4	12.1	62.6	3H
350101	(BB S' *ANZA)*(KURTZMAN*ANZA) 770288-OD-	554-81	HRS	64.4	68.4	0.47	79.2	10.1	60.6	2H
350102	YECORA ROJO (C1017414)	554-89	HRS	64.8	67.8	0.49	77.7	10.1	61.3	8M
350103	ANZA (C1015284)	554-90	HRS	64.4	70.0	0.40	84.4	9.1	59.2	2M
350104	((TOB66*CN0 S')ANZA)*((C113232*R50)ANZA)	554-97	HRS	66.4	72.0	0.39	87.1	11.3	59.1	2M
350105	" 770292-OD-SBD-51D-OD	554-98	HRS	65.2	72.9	0.38	88.9	10.8	62.9	4H
350106	" 770292-OD-SBD-78D-OD	554-102	HRS	66.4	68.2	0.44	80.7	10.7	60.8	8M
350107	" 770292-OD-SBD-92D-OD	554-404	HRS	66.8	73.7	0.39	88.8	11.5	63.0	2H
350108	((TOB66*CN0 S')ANZA)*SHASTA 770293-OD-	554-106	HRS	65.6	69.5	0.45	81.6	10.0	62.3	3M

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 11% Protein.

4/ Observed Values Corrected to 11% Protein.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 82

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
350074	SHASTA*YECORA ROJO 760447-SBD-SBD-SBD-	554-3	HRS	63.7	61.8	3.7	815	697	6 P-LVOL&BCRGR	
350075	" 760447-SBD-SBD-22D-0D	554-4	HRS	63.0	62.4	2.9	910	873	2	
350076	" 760447-SBD-SBD-SBD-55D-0D	554-5	HRS	64.1	62.3	2.9	975	863	2	
350077	" 760447-SBD-SBD-SBD-58D-0D	554-6	HRS	65.6	64.1	4.2	965	872	2	
350078	" 760447-SBD-SBD-SBD-69D-0D	554-7	HRS	67.0	65.6	3.3	970	883	2	
350079	" 760447-SBD-SBD-SBD-84D-0D	554-9	HRS	65.4	64.0	2.8	1015	928	2	
350080	(D6301*NA160)YECORA ROJO 770278-0D-SBD-	554-10	HRS	63.0	63.3	2.2	850	869	5 Q-MTIME&BCRGR	
350081	" 770278-0D-SBD-79D-0D	554-11	HWS	64.9	64.0	3.9	900	844	2 "White"	
350082	(D6301*NA160)TANOR171 770279-0D-SBD-42D-	554-13	HRS	66.4	65.4	3.9	935	873	3 Q-FYELD&BCRGR	
350083	" 770279-0D-SBD-132D-0D	554-19	HRS	66.5	66.9	3.3	785	810	7 P-BCRGR	
350084	(JANAL2*MENG-8156)=ROBIN*SHASTA 770280-	554-23	HRS	62.5	63.8	4.1	670	751	8 P-LVOL&BCRGR	
350085	" 770280-0D-SBD-89D-0D	554-24	HRS	63.7	64.8	3.0	675	743	8 P-FYELD, LVOL&BCRGR	
350086	YECORA ROJO (C1017414)	554-29	HRS	63.6	63.3	4.7	805	786	4 Q-FYELD, LVOL&BCRGR	
350087	ANZA (C1015284)	554-30	HRS	60.0	61.5	2.2	705	798	8 P-MTIME&BCRGR	
350088	((TZPP*WTE)3NP63)*INIA S' (SON64(TZPP*	554-31	HRS	65.7	65.8	3.1	795	801	8 P-BCRGR	
350089	" 770282-0D-SBD-64D-0D	554-34	HRS	64.6	63.8	2.2	885	835	5 Q-P-MTIME&BCRGR	
350090	" 770282-0D-SBD-73D-0D	554-35	HRS	65.2	65.5	3.4	825	844	5 P-BCRGR	
350091	" 770282-0D-SBD-96D-0D	554-37	HRS	64.4	64.4	2.6	840	840	8 P-BCRGR	
350092	((TZPP*WTE)3NP63)*INIA S' (SON64*(TZPP	554-56	HRS							
350093	" 770283-0D-SBD-141D-0D	554-57	HRS	68.1	66.3	2.5	895	783	4 Q-MTIME&BCRGR	
350094	YECORA ROJO (C1017414)	554-59	HRS	62.4	62.8	5.4	775	800	2	
350095	ANZA (C1015284)	554-60	HRS	58.6	61.0	2.1	675	824	9 P-BCRGR	
350096	SHASTA*YECORA ROJO 770284-0D-SBD-2D-0D	554-62	HRS	60.5	62.1	3.7	700	799	6 P-BCRGR	
350097	" 770284-0D-SBD-35D-0D	554-64	HRS	63.5	64.6	4.2	775	843	2	
350098	SHASTA*CONCONAQUE75 77285-0D-SBD-19D-0D	554-73	HRS	62.2	62.8	3.2	765	802	4 P-FYELD&BCRGR	
350099	" 770285-0D-SBD-33D-0D	554-75	HRS	64.9	66.5	3.0	770	869	2 Q-FYELD	
350100	" 770285-0D-SBD-47D-0D	554-78	HRS	65.4	64.3	2.4	890	822	4 Q-MTIME&BCRGR	
350101	(BB S'*ANZA)*(KURTZMAN*ANZA) 770288-0D-	554-81	HRS	61.4	62.3	1.9	710	766	8 P-LVOL&BCRGR	
350102	YECORA ROJO (C1017414)	554-89	HRS	62.1	63.0	5.8	740	796	4 P-FYELD, LVOL&BCRGR	
350103	ANZA (C1015284)	554-90	HRS	59.0	60.9	2.3	650	768	9 P-LVOL&BCRGR	
350104	((TOB666*CNO S')ANZA)*((C113232*R50)ANZA)	554-97	HRS							
350105	" 770292-0D-SBD-51D-0D	554-98	HRS	64.4	64.6	2.8	875	887	5 P-BCRGR	
350106	" 770292-0D-SBD-78D-0D	554-102	HRS	62.2	62.5	4.4	780	799	4 Q-P-BCRGR	
350107	" 770292-0D-SBD-92D-0D	554-404	HRS	65.2	64.7	2.2	925	894	3 Q-MTIME&BCRGR	
350108	((TOB666*CNO S')ANZA)*SHASTA 770293-0D-	554-106	HRS	63.0	64.0	2.1	785	847	8 P-MTIME&BCRGR	

NURSCO 82

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/ 3/		1/ 3/		
350109	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-28D	554-118	HRS	66.4	70.4	0.42	83.9	10.9	62.9	2H
350110	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-90D-0D	554-122	HRS	64.8	68.4	0.43	81.5	11.7	62.3	2H
350111	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-114D-0D	544-123	HRS	64.8	71.8	0.43	84.8	11.1	62.3	2H
350112	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-118D-0D	544-124	HRS	64.8	71.7	0.42	85.3	11.1	61.1	3M
350113	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-133D-0D	544-130	HRS	63.6	70.6	0.45	82.6	11.2	60.8	2M
350114	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-136D-0D	544-131	HRS	65.2	69.6	0.44	81.9	10.4	61.9	4M
350115	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-138D-0D	544-133	HRS	65.2	71.5	0.41	85.8	10.9	61.9	3M
350116	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-141D-0D	544-141	HRS	64.4	70.1	0.43	83.0	10.6	62.2	4M
350117	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-143D-0D	544-143	HRS	64.0	71.5	0.43	84.8	11.3	61.0	1H
350118	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-147D-0D	544-147	HRS	64.8	69.0	0.43	82.1	10.2	59.7	3M
350119	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-163D-0D	544-163	HRS	63.6	72.0	0.42	85.9	11.0	61.5	4H
350120	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-166D-0D	544-166	HRS	64.0	70.1	0.40	84.7	10.7	63.3	8M
350121	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-168D-0D	544-168	HRS	65.6	69.3	0.39	84.2	11.2	63.3	7M
350122	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-174D-0D	544-174	HRS	66.0	70.2	0.38	86.0	10.2	64.0	8M
350123	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-177D-0D	544-177	HRS	65.6	70.2	0.33	88.2	10.8	63.0	7M
350124	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-181D-0D	544-181	HRS	65.6	70.0	0.36	86.9	11.2	64.0	5H
350125	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-184D-0D	544-184	HRS	65.2	69.9	0.37	86.1	11.5	65.8	5H
350126	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-185D-0D	544-185	HRS	64.4	64.7	0.40	79.1	11.4	59.6	2H
350127	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-187D-0D	544-187	HRS	66.0	69.0	0.36	85.7	11.1	63.2	5M
350128	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-190D-0D	544-190	HRS	63.6	66.7	0.38	82.1	12.5	63.9	5H
350129	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-197D-0D	544-197	HRS	64.0	65.6	0.33	83.6	10.3	61.7	7M
350130	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-200D-0D	544-200	HRS	63.6	68.7	0.34	86.1	9.9	59.9	3M
350131	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-202D-0D	544-202	SRS	64.0	66.6	0.33	84.7	9.8	61.1	3M
350132	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-204D-0D	544-204	HRS	63.2	67.4	0.34	84.8	10.2	62.2	3M
350133	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-218D-0D	544-218	HRS	63.6	69.5	0.37	85.7	11.1	61.8	7M
350134	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-219D-0D	544-219	HRS	65.6	69.6	0.39	84.6	12.0	62.3	3H
350135	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-220D-0D	544-220	HRS	66.0	71.7	0.37	87.7	11.6	62.2	2H
350136	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-222D-0D	544-222	HRS	63.2	69.3	0.42	82.6	12.0	63.9	4H
350137	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-232D-0D	544-232	HRS	65.2	71.3	0.48	81.8	12.7	62.1	5H
350138	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-233D-0D	544-233	HRS	64.8	68.4	0.39	83.6	11.6	62.7	8M
350139	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-235D-0D	544-235	HRS	66.0	70.7	0.41	84.6	11.6	63.7	5H
350140	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-237D-0D	544-237	HRS	64.0	68.9	0.43	81.8	11.2	62.5	8M
350141	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-239D-0D	544-239	HRS	64.8	69.8	0.36	86.5	12.5	64.3	5H
350142	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-241D-0D	544-241	HRS	65.2	70.2	0.34	87.8	12.2	62.1	1H
350143	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-243D-0D	544-243	HRS	65.2	69.5	0.34	87.1	12.0	63.5	1H

NURSCO 82

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
350109	((CNO*166)ANZA)*SHASTA 770296-0D-SBD-28D	554-118	HRS	64.5	64.6	2.2	795	801	7 P-MTIME&BCRGR	
350110	" 770296-0D-SBD-90D-0D	554-122	HRS							
350111	" 770296-0D-SBD-114D-0D	544-123	HRS	64.1	64.0	2.0	865	859	4 P-MTIME&BCRGR	
350112	" 770296-0D-SBD-118D-0D	544-124	HRS							
350113	" 770296-0D-SBD-133D-0D	544-130	HRS							
350114	" 770296-0D-SBD-136D-0D	544-131	HRS	63.0	63.6	2.5	735	772	7 P-BCRGR	
350115	" 770296-0D-SBD-138D-0D	544-133	HRS	63.5	63.6	2.3	790	796	7 P-BCRGR	
350116	((CNO*166)ANZA)*((C113232*R50)ANZA)	544-141	HRS	63.5	63.9	2.5	805	830	7 P-BCRGR	
350117	" 770297-0D-SBD-41D-0D	544-143	HRS							
350118	" 770297-0D-SBD-66D-0D	544-147	HRS							
350119	" 770297-0D-SBD-118D-0D	544-163	HRS	63.2	63.2	2.3	900	900	4 Q-P-BCRGR&MTIME	
350120	((C113232-R50)ANZA)*COCONAQUE75 770298-	544-166	HRS	64.7	65.0	3.9	770	789	6 P-BCRGR	
350121	" 770298-0D-SBD-96D-0D	544-168	HRS	65.2	65.0	2.6	790	778	6 P-BCRGR	
350122	((C113232-R50)ANZA)TANOR171 770299-0D-	544-174	HRS	64.9	65.7	4.2	805	855	7 P-BCRGR	
350123	" 770299-0D-SBD-76D-0D	544-177	HRS	64.5	64.7	4.0	800	812	2	
350124	" 770299-0D-SBD-81D-0D	544-178	HRS	65.9	65.7	4.0	885	873	2	
350125	" 770299-0D-SBD-100D-0D	544-181	HRS	68.0	67.5	4.3	900	869	2	
350126	((C113232*R50)ANZA)*((KURTZMANN*ANZA)	544-184	HRS							
350127	" 770300-0D-SBD-38D-0D	544-185	HRS	65.0	64.9	2.8	735	729	6 P-LVOL&BCRGR	
350128	" 770300-0D-SBD-46D-0D	544-187	HRS	67.1	65.6	3.7	865	772	4 P-FYELD&BCRGR	
350129	" 770300-0D-SBD-76D-0D	544-190	HRS	62.7	63.4	3.0	760	803	6 P-FYELD&BCRGR	
350130	((C113232*R50)ANZA)*((ANZA(D6301*NA160))	544-197	HRS							
350131	" 770301-0D-SBD-137D-0D	544-200	SRS							
350132	" 770301-0D-SBD-177D-0D	544-202	HRS							
350133	((TOB*CNO)ANZA)*IRRAD 166 770302-0D-SBD-	544-204	HRS	63.6	63.5	3.1	835	829	2	
350134	((TOB*CNO)ANZA)*SHASTA 770303-0D-SBD-1D-	544-205	HRS	65.0	64.0	2.3	860	798	7 P-MTIME&BCRGR	
350135	" 770303-0D-SBD-17D-0D	544-206	HRS	64.5	63.9	1.9	805	768	8 P-MTIME&BCRGR	
350136	" 770303-0D-SBD-37D-0D	544-208	HRS	66.6	65.6	2.9	825	763	4 P-LVOL&BCRGR	
350137	" 770303-0D-SBD-66D-0D	544-212	HRS	65.5	63.8	3.7	935	830	4 P-BCRGR	
350138	(166*ANZA)*YECORA ROJO 770304-0D-SBD-2D	544-218	HRS	65.0	64.4	4.5	805	768	7 P-VL&BCRGR	
350139	" 770304-0D-SBD-4D-0D	544-219	HRS	68.0	67.4	4.0	905	868	2	
350140	" 770304-0D-SBD-7D-0D	544-220	HRS	64.4	64.2	4.7	855	843	4 Q-FYELD&BCRGR	
350141	" 770304-0D-SBD-25D-0D	544-222	HRS	67.5	66.0	3.7	930	837	2	
350142	(166*ANZA)*((ANZA(D6301*NA160)) 770305	544-232	HRS							
350143	" 770305-0D-SBD-103D-0D	544-233	HRS							

NURSCO 82

CORCORAN, CA

C.O. QUAL SET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
350144	(JUSTIN*SC66)*(KURTZMAN*ANZA) 770306	544-235	HRS	62.8	70.8	0.39	86.0	11.3	63.0	5H
350145	(BB S*ANZA)*(166*ANZA) 770309-OD-SBD-1D	544-237	HRS	64.4	69.7	0.41	83.9	11.8	62.0	6H
350146	770309-OD-SBD-17D-OD	544-238	HRS	64.8	70.2	0.40	85.0	10.3	61.8	4M
350147	770309-OD-SBD-38D-OD	544-244	HRS	63.2	69.7	0.42	83.3	11.4	61.8	4M
350148	770309-OD-SBD-45D-OD	544-245	HRS	64.0	69.8	0.40	84.3	10.6	61.2	6M
350149	770309-OD-SBD-46D-OD	544-246	HRS	66.0	69.0	0.39	84.2	10.5	62.5	8M
350150	770309-OD-SBD-52D-OD	544-247	HRS	64.0	69.0	0.40	83.8	9.5	61.9	4L
350151	770309-OD-SBD-91D-OD	544-252	HRS	64.0	69.6	0.40	84.2	11.2	62.7	6M
350152	770309-OD-SBD-118D-OD	544-253	HRS	65.2	71.2	0.37	87.6	12.4	61.9	2H
350153	770309-OD-SBD-121D-OD	544-254	HRS	64.8	71.2	0.41	85.2	10.2	62.2	8M
350154	((166-CNO)CAL)ANZA)*(D6802*1662) 770310	544-257	HRS	65.6	69.8	0.41	83.9	10.6	61.2	6M
350155	770310-OD-SBD-34D-OD	544-259	HRS	66.0	67.8	0.39	82.6	10.6	64.3	3H
350156	770310-OD-SBD-44D-OD	544-260	HRS	66.0	67.7	0.39	82.7	10.8	63.6	3H
350157	770310-OD-SBD-48D-OD	544-262	HRS	65.6	67.5	0.42	81.1	10.5	64.5	3M
350158	770310-OD-SBD-56D-OD	544-263	HRS	65.6	67.0	0.39	81.8	10.2	64.2	2H
350159	770310-OD-SBD-83D-OD	544-264	HRS	65.6	68.6	0.40	82.9	10.9	64.6	3H
350160	770310-OD-SBD-95D-OD	544-267	HRS	66.0	66.6	0.42	80.2	10.3	65.3	3H
350161	770310-OD-SBD-139D-OD	544-268	HRS	64.4	68.7	0.40	83.3	11.1	64.8	5H
350162	770310-OD-SBD-141D-OD	544-272	HRS	64.8	70.7	0.45	82.5	9.9	62.8	8M
350163	((INIA-CNO)CAL)ANZA)*(KURTZMAN*ANZA)	544-273	HRS	66.0	67.8	0.42	81.0	10.1	63.3	3H
350164	770311-OD-SBD-48D-OD	544-274	HRS	65.2	70.5	0.41	84.6	9.8	63.0	4M
350165	770311-OD-SBD-60D-OD	544-275	HRS	66.4	67.8	0.41	81.6	9.5	64.6	4M
350166	770311-OD-SBD-110D-OD	544-281	HRS	66.4	67.1	0.40	81.7	9.9	63.1	3M
350167	770311-OD-SBD-111D-OD	544-282	HRS	66.0	67.0	0.40	81.2	10.4	62.5	3M
350168	770311-OD-SBD-137D-OD	544-284	HRS	66.0	66.7	0.41	80.8	10.3	62.4	4M
350169	((BB*CNO)ANZA)*(KURTZMAN*ANZA) 770313-OD	544-292	HRS	63.6	69.6	0.44	82.1	10.1	60.9	3M
350170	((C113232-R50)ANZA)*((SC66-P1190982)166)	544-305	HRS	65.2	66.6	0.40	80.9	11.5	64.5	4H
350171	770315-OD-SBD-96D-OD	544-307	HRS	65.2	66.8	0.42	80.4	11.3	64.6	3H
350172	(UC9109-9-5*RULO)FEN)*YECORA ROJO	544-312	HWS	60.4	66.3	0.56	72.2	11.5	60.3	3H
350173	770318-OD-SBD-92D-OD	544-315	HRS	62.8	68.1	0.48	78.3	10.9	62.6	5H
350174	(ANZA-TAB66)*(KURTZMAN*ANZA) 770316-OD-	544-316	HRS	64.4	70.2	0.41	84.3	9.9	61.8	3M
350175	770316-OD-SBD-57D-OD	544-322	HRS	64.8	69.6	0.36	86.5	10.7	62.8	4M
350176	YECORA ROJO (C1017414)	544-329	HRS	63.6	68.6	0.46	80.2	11.5	65.5	6H
350177	(INIA66R-CHEYENNE)SHASTA 770324-OD-SBD-	544-333	HRS	64.4	68.0	0.44	80.5	11.4	65.3	5H
350178	770324-OD-SBD-76D-OD	544-334	HRS	64.4	69.6	0.48	79.8	11.8	64.2	4H

NURSCO 82

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
350144	(JUSTIN*SC66)*{(KURTZMAN*ANZA) 770306	544-235	HRS	65.0	64.7	3.6	870	851	3 Q-BCRGR	
350145	(BB S*ANZA)*{(166*ANZA) 770309-OD-SBD-1D	544-237	HRS	65.5	64.7	5.5	880	830	2	
350146	" 770309-OD-SBD-17D-OD	544-238	HRS	62.8	63.5	3.1	880	923	2	
350147	" 770309-OD-SBD-38D-OD	544-244	HRS	63.9	63.5	2.4	865	840	4 Q-BCRGR&MTIME	
350148	" 770309-OD-SBD-45D-OD	544-245	HRS	62.5	62.9	3.5	815	840	3 Q-BCRGR	
350149	" 770309-OD-SBD-46D-OD	544-246	HRS	64.7	65.2	4.2	750	781	4 Q-LVOL&BCRGR	
350150	" 770309-OD-SBD-52D-OD	544-247	HRS	62.1	63.6	3.5	815	908	6 P-BCRGR	
350151	" 770309-OD-SBD-91D-OD	544-252	HRS	65.6	65.4	3.4	855	843	4 Q-BCRGR	
350152	" 770309-OD-SBD-118D-OD	544-253	HRS							
350153	" 770309-OD-SBD-121D-OD	544-254	HRS	64.1	64.9	4.2	805	855	4 Q-BCRGR	
350154	((166-CNO)CAL)ANZA)*(D6802*1662) 770310	544-257	HRS	62.5	62.9	4.3	830	855	4 Q-BCRGR	
350155	" 770310-OD-SBD-34D-OD	544-259	HRS	65.6	66.0	2.9	840	865	5 Q-BCRGR	
350156	" 770310-OD-SBD-44D-OD	544-261	HRS	65.1	66.3	2.5	850	862	5 Q-BCRGR&FYELD	
350157	" 770310-OD-SBD-48D-OD	544-262	HRS	65.7	66.2	2.9	785	816	6 P-FYELD&BCRGR	
350158	" 770310-OD-SBD-56D-OD	544-263	HRS	65.1	65.9	2.5	810	860	4 Q-FYELD,MTIME&BCRGR	
350159	" 770310-OD-SBD-83D-OD	544-264	HRS	66.2	66.3	2.6	815	821	4 Q-FYELD,MTIME&BCRGR	
350160	" 770310-OD-SBD-95D-OD	544-267	HRS	66.3	67.0	2.5	810	853	4 P-FYELD Q-BCRGR	
350161	" 770310-OD-SBD-139D-OD	544-268	HRS	66.1	66.0	3.2	900	894	2 Q-FYELD	
350162	" 770310-OD-SBD-141D-OD	544-272	HRS	63.4	64.5	3.5	740	808	6 P-BCRGR	
350163	((INIA-CNO)CAL)ANZA)*{(KURTZMAN*ANZA)	544-273	HRS	64.1	65.0	2.5	735	791	8 P-BCRGR	
350164	" 770311-OD-SBD-48D-OD	544-274	HRS							
350165	" 770311-OD-SBD-60D-OD	554-275	HRS	64.8	66.3	2.6	735	828	8 P-FYELD&BCRGR	
350166	" 770311-OD-SBD-110D-OD	554-281	HRS	63.7	64.8	2.3	770	838	5 P-FYELD&BCRGR	
350167	" 770311-OD-SBD-111D-OD	554-282	HRS	63.6	64.2	2.5	740	777	6 P-FYELD, LVOL&BCRGR	
350168	" 770311-OD-SBD-137D-OD	554-284	HRS	63.4	64.1	2.5	775	818	4 P-FYELD&BCRGR	
350169	((BB*CNO)ANZA)*{(KURTZMAN*ANZA) 770313-OD	554-292	HRS							
350170	((C113232-R50)ANZA)*{(SC66-P1190982)166)	554-305	HRS	66.7	66.2	2.6	905	874	4 P-FYELD&BCRGR	
350171	" 770315-OD-SBD-96D-OD	554-307	HRS	66.6	66.3	2.3	850	831	6 P-FYELD&BCRGR	
350172	(UC9109-9-5*RULO)FEN)*YECORA ROJO	554-312	HRS	62.5	62.0	3.1	825	794	8 P-FYELD&BCRGR	
350173	" 770318-OD-SBD-92D-OD	554-315	HRS	65.2	65.3	3.3	810	816	4 Q-BCRGR	
350174	(ANZA-TAB66)*{(KURTZMAN*ANZA) 770316-OD-	554-316	HRS							
350175	" 770316-OD-SBD-57D-OD	554-322	HRS	63.2	63.5	2.2	835	854	6 Q-BCRGR	
350176	YECORA ROJO (C1017414)	554-329	HRS	68.7	68.2	5.2	840	809	3 Q-BCRGR	
350177	(INIA66R-CHEYENNE)SHASTA 770324-OD-SBD-	554-333	HRS	67.4	67.0	3.3	885	860	2	
350178	" 770324-OD-SBD-76D-OD	554-334	HRS	67.7	66.9	3.4	945	895	2	

NURSCO 82

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/ 3/		1/ 3/		
350179 "	770324-OD-SBD-80D-OD	554-335	HRS	63.6	65.6	0.47	76.2	11.5	62.7	3H
350180 "	770324-OD-SBD-133D-OD	554-342	HRS	65.2	70.5	0.40	85.1	11.3	62.4	3H
350181 "	770324-OD-SBD-142D-OD	554-343	HRS	66.0	70.7	0.37	86.8	11.9	62.6	3H
350182 (	166R-CHEYENNE)*(KURTZMAN*ANZA) 770325-	554-345	HRS	66.4	69.8	0.39	84.8	11.0	63.7	4M
350183 "	770325-OD-SBD-17D-OD	554-346	HRS	65.2	69.8	0.44	82.3	10.9	62.0	4M
350184 "	770325-OD-SBD-22D-OD	554-347	HRS	65.2	68.7	0.40	83.3	11.1	62.8	4M
350185 "	770325-OD-SBD-44D-OD	554-348	HRS	64.4	68.8	0.46	80.2	11.0	62.8	4M
350186 "	770325-OD-SBD-58D-OD	554-349	HRS	64.8	70.1	0.44	82.8	11.4	62.3	6M
350187 "	770325-OD-SBD-82D-OD	554-350	HRS	63.6	68.7	0.49	78.5	9.6	62.6	6M
350188 "	770325-OD-SBD-109D-OD	554-352	HRS	65.2	68.8	0.45	80.8	11.1	61.2	6M
350189 (	D6802*1662)*(KURTZMAN*ANZA) 770326-OD-	554-357	HRS	63.6	68.0	0.53	75.9	10.0	62.3	6M
350190 YECORA	ROJO (C1017414)	554-359	HRS	64.0	68.7	0.45	80.4	11.5	62.6	6H
350191 "	770326-OD-SBD-91D-OD	554-361	HRS	65.2	69.9	0.40	84.7	10.4	62.7	8M
350192 "	770326-OD-SBD-104D-OD	554-362	HRS	64.8	69.1	0.37	85.3	10.1	62.7	4M
350193 (	6802*1662)*SHASTA 770327-OD-SBD-11D-OD	554-363	HRS	66.0	70.8	0.41	84.7	10.9	61.3	4M
350194 "	770327-OD-SBD-29D-OD	554-368	HRS	65.2	69.6	0.42	83.1	10.5	60.6	6M
350195 "	770327-OD-SBD-41D-OD	554-369	HRS	65.2	70.5	0.41	84.5	10.6	60.3	6M
350196 "	770327-OD-SBD-51D-OD	554-371	HRS	64.8	68.8	0.39	83.8	12.0	60.6	4M
350197 "	770327-OD-SBD-62D-OD	554-372	HRS	65.6	70.7	0.41	85.0	10.2	60.4	4M
350198 "	770327-OD-SBD-86D-OD	554-373	HRS	66.0	71.0	0.41	85.0	10.7	61.0	4M
350199 "	770327-OD-SBD-119D-OD	554-378	HRS	64.4	67.9	0.38	83.2	11.5	61.7	4H
350200 "	770327-OD-SBD-125D-OD	554-379	HRS	65.2	67.2	0.43	80.1	11.7	61.7	3H
350201 (	1662*R50)*(KURTZMAN*ANZA) 770328-OD-SBD	554-381	HRS	66.0	72.7	0.37	88.9	10.8	61.8	3M
350202 "	770328-OD-SBD-40D-OD	554-382	HRS	65.2	69.3	0.38	85.0	10.7	61.4	4M
350203 "	770328-OD-SBD-87D-OD	554-385	HRS	65.6	73.7	0.37	90.1	11.0	61.5	4M
350204 YECORA	ROJO (C1017414)	554-389	HRS	64.8	68.1	0.43	81.2	11.4	63.7	7H
350205 ANZA	(C1015284)	554-390	HRS	64.4	71.0	0.38	86.7	10.0	59.1	3M
350206 "	770328-OD-SBD-119D-OD	554-391	HRS	65.6	70.4	0.39	85.5	9.9	61.4	7M
350207 (	INIA662*R50)*(ANZA*10866) 770329-OD-SBD	554-392	HRS	64.8	70.3	0.39	85.4	10.9	62.4	5H
350208 (	KURTZMAN*SON64)*(ANZA(D6302*NA160)	554-395	HRS	66.0	71.6	0.32	90.4	11.8	63.5	2H
350209 (	KURTZMAN*SON64)*166R 770335-OD-SBD-53D-	554-402	HRS	64.8	68.3	0.37	84.5	11.6	65.3	2H
350210 "	770335-OD-SBD-64D-OD	554-404	HRS	65.2	70.5	0.32	89.3	11.4	62.4	2H
350211 "	770335-OD-SBD-69D-OD	554-405	HRS	65.6	69.1	0.33	87.2	11.0	63.6	2H
350212 (	KURTZMAN*ANZA) TANOR171 770336-OD-SBD-31	554-406	HRS	64.8	70.5	0.34	88.5	11.3	62.5	3H
350213 "	770336-OD-SBD-35D-OD	554-407	HRS	64.0	70.3	0.34	88.1	11.1	63.0	4H

NURSCO 82

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
350179	" 770324-0D-SBD-80D-0D	554-335	HRS	64.9	64.4	2.4	885	854	3	P-FYELD
350180	" 770324-0D-SBD-133D-0D	554-342	HRS	63.4	63.1	2.1	875	856	5	Q-P-MTIME&BCRGR
350181	" 770324-0D-SBD-142D-0D	554-343	HRS	65.2	64.3	2.4	940	884	3	Q-BCRGR
350182	(166R-CHEYENNE)*(KURTZMAN*ANZA) 770325-	554-345	HRS	65.4	65.4	2.2	920	920	4	Q-P-MTIME&BCRGR
350183	" 770325-0D-SBD-17D-0D	554-346	HRS	63.6	63.7	3.0	890	896	5	P-BCRGR
350184	" 770325-0D-SBD-22D-0D	554-347	HRS	64.6	64.5	3.0	915	909	2	
350185	" 770325-0D-SBD-44D-0D	554-348	HRS	64.5	64.5	2.6	870	870	5	P-BCRGR
350186	" 770325-0D-SBD-58D-0D	554-349	HRS	64.4	64.0	3.2	875	850	2	
350187	" 770325-0D-SBD-82D-0D	554-350	HRS	63.9	65.3	3.9	815	902	6	P-BCRGR
350188	" 770325-0D-SBD-109D-0D	554-352	HRS	63.0	62.9	3.2	840	834	6	P-BCRGR
350189	(D6802*1662)*(KURTZMAN*ANZA) 770326-0D-	554-357	HRS	63.0	64.0	3.4	835	897	6	P-BCRGR
350190	YECORA ROJO (C1017414)	554-359	HRS	65.8	65.3	4.8	875	844	2	
350191	" 770326-0D-SBD-91D-0D	554-361	HRS	64.8	65.4	4.6	830	867	2	
350192	" 770326-0D-SBD-104D-0D	554-362	HRS	62.5	63.4	2.1	825	881	4	Q-P-MTIME&BCRGR
350193	(6802*1662)*SHASTA 770327-0D-SBD-11D-0D	554-363	HRS	62.9	63.0	2.5	835	841	5	Q-P-MTIME&BCRGR
350194	" 770327-0D-SBD-29D-0D	554-368	HRS	61.8	62.3	3.2	780	811	5	Q-P-BCRGR
350195	" 770327-0D-SBD-41D-0D	554-369	HRS	61.6	62.0	2.9	800	825	4	Q-P-BCRGR
350196	" 770327-0D-SBD-51D-0D	554-371	HRS	63.3	62.3	2.3	860	798	4	Q-P-BCRGR
350197	" 770327-0D-SBD-62D-0D	554-372	HRS	61.3	62.1	2.8	775	825	4	Q-P-BCRGR
350198	" 770327-0D-SBD-86D-0D	554-373	HRS	62.4	62.7	2.6	810	829	6	Q-P-BCRGR
350199	" 770327-0D-SBD-119D-0D	554-378	HRS	64.9	64.4	3.3	890	859	3	Q-BCRGR&FYELD
350200	" 770327-0D-SBD-125D-0D	554-379	HRS	64.1	63.4	2.6	880	837	3	Q-FYELD,LVOL&BCRGR
350201	(1662*R50)*(KURTZMAN*ANZA) 770328-0D-SBD	554-381	HRS							
350202	" 770328-0D-SBD-40D-0D	554-382	HRS	62.8	63.1	3.0	855	874	4	Q-P-BCRGR
350203	" 770328-0D-SBD-87D-0D	554-385	HRS	61.2	61.2	1.9	935	935	3	Q-MTIME&BCRGR
350204	YECORA ROJO (C1017414)	554-389	HRS	66.8	66.4	6.1	860	835	3	Q-BCRGR
350205	ANZA (C1015284)	554-390	HRS	59.8	60.8	2.0	775	837	7	P-MTIME&BCRGR
350206	" 770328-0D-SBD-119D-0D	554-391	HRS	62.0	63.1	3.5	855	923	5	Q-P-BCRGR
350207	(1N1A662*R50)*(ANZA*TOB66) 770329-0D-SBD	554-392	HRS	65.0	65.1	4.6	900	906	4	Q-P-BCRGR
350208	(KURTZMAN*SONG4)*(ANZA(D6302*NA160)	554-395	HRS							
350209	(KURTZMAN*SONG4)*166R 770335-0D-SBD-53D-	554-402	HRS	65.6	65.0	1.7	965	928	4	P-MTIME&BCRGR
350210	" 770335-0D-SBD-64D-0D	554-404	HRS							
350211	" 770335-0D-SBD-69D-0D	554-405	HRS							
350212	(KURTZMAN*ANZA)TANOR171 770336-0D-SBD-31	554-406	HRS	62.0	61.7	2.0	940	921	4	P-MTIME&BCRGR
350213	" 770336-0D-SBD-35D-0D	554-407	HRS	64.8	64.7	3.3	950	944	4	Q-P-BCRGR

NURSCO 82

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH 1/	MSCOR	FPROT 1/	MABSC 3/	MTYPE
350214	" 770336-OD-SBD-78D-OD	554-411	HRS	66.0	68.1	0.34	85.6	10.3	66.1	4H
350215	" 770336-OD-SBD-124D-OD	554-412	HRS	65.2	70.7	0.33	89.0	11.5	64.6	4H
350216	" 770336-OD-SBD-149D-OD	554-414	HRS	66.0	70.8	0.31	90.1	10.7	62.9	2H
350217	(KURTZMAN*ANZA)SHASTA 770337-OD-SBD-40D-	554-416	HRS	65.6	67.8	0.32	86.6	10.0	61.7	6M
350218	" 770337-OD-SBD-41D-OD	554-417	HRS	65.6	68.8	0.40	83.1	10.0	64.3	4H
350219	" 770337-OD-SBD-90D-OD	554-418	HRS	65.6	72.8	0.35	90.0	11.0	63.3	3H
350220	" 770337-OD-SBD-139D-OD	554-423	HRS	66.0	69.6	0.38	85.0	11.0	63.3	3H
350221	" 770337-OD-SBD-148D-OD	554-424	HRS	64.8	70.5	0.40	85.1	11.9	63.5	2H
350222	" 770337-OD-SBD-156D-OD	554-426	HRS	64.4	68.7	0.35	85.6	10.3	61.3	3M
350223	" 770337-OD-SBD-159D-OD	554-427	HRS	64.0	71.0	0.37	87.1	11.1	60.4	1H
350224	" 770337-OD-SBD-168D-OD	554-428	HRS	66.4	69.6	0.38	85.2	10.7	62.6	2H
350225	(ANZA*GAINES)*(AZTECA67*ANZA) 770342-OD-	554-429	HRS	65.4	68.4	0.38	84.1	10.2	62.2	3H
350226	" 770342-OD-SBD-18D-OD	554-431	HRS	66.0	68.1	0.38	83.4	10.2	64.0	4H
350227	" 770342-OD-SBD-29D-OD	554-432	HRS	66.4	68.1	0.35	85.1	11.3	64.9	5H
350228	" 770342-OD-SBD-88D-OD	554-435	HRS	66.0	68.1	0.38	83.6	11.2	64.9	5H
350229	" 770342-OD-SBD-103D-OD	554-437	HRS	65.6	69.4	0.38	84.8	10.8	64.2	2H
350230	" 770342-OD-SBD-112D-OD	554-439	HRS	66.8	66.8	0.34	84.4	10.7	66.4	6H
350231	" 770342-OD-SBD-117D-OD	554-441	HRS	66.0	70.0	0.39	85.2	10.3	64.3	3H
350232	" 770342-OD-SBD-184D-OD	554-444	HRS	64.8	68.9	0.38	84.4	11.2	65.0	2H
350233	(ANZA*166R)*(KURTZMAN*ANZA) 770346-OD-	554-447	HRS	66.0	70.3	0.36	87.1	11.3	60.2	8M
350234	(CLEO*166)SHASTA 770349-OD-SBD-5D-OD	554-463	HRS	63.2	67.2	0.40	81.6	12.7	61.8	2H
350235	" 770349-OD-SBD-113D-OD	554-470	HRS	64.8	68.6	0.38	84.3	11.3	65.4	5H
350236	((1662*OLESEN)166R)*YECORA ROJO	554-473	HRS	63.6	66.8	0.42	80.4	10.9	63.9	8M
350237	(TRANSEC*SON643)SHASTA 770362-OD-SBD-98D	554-477	HRS	66.0	71.1	0.39	86.4	11.1	62.8	4M
350238	YECORA ROJO (C1017414)	554-479	HRS	64.0	68.0	0.40	82.7	11.5	64.8	7H
350239	ANZA (C1015284)	554-480	HRS	65.2	70.4	0.36	86.8	9.4	58.4	3M
350240	YEC S*ANZA 700287-74D-1D-6D-4TL-1D-4D-	554-496	HRS	65.6	70.2	0.34	87.9	9.2	61.2	6L
350241	((INIA*CNO)CAL)ANZA 700291-18D-4D-4S-1D	554-498	HRS	66.4	72.0	0.38	87.5	9.6	60.6	4M
350242	" 770291-27D-3D-1S-3D-3D-1D	554-499	HRS	66.4	71.0	0.38	86.9	10.7	63.1	4H
350243	(C113232*R50)ANZA 700297-74D-1D-6D-2TL-	554-501	HRS	65.2	70.5	0.35	87.7	11.4	61.3	4M
350244	" 700297-74D-1D-6D-2TL-1D-7D-1D	554-503	HRS	65.2	69.6	0.33	87.8	10.7	61.0	3M
350245	((BC60*C113232)166)*ANZA 700308-5D-3D-	554-505	HRS	66.8	68.4	0.38	83.8	9.8	60.5	2M
350246	YECORA ROJO (C1017414)	554-509	HRS	65.6	68.6	0.40	83.3	10.3	64.4	7H
350247	JILGUERO*SEL44 730041-11D-4D-4D-1D-3D-	554-522	HRS	65.6	69.9	0.38	85.7	10.7	60.5	3H
350248	PORTOLA*ANZA 730042-59D-4D-1D-4D-4D-1D	554-523	HRS	65.2	72.3	0.34	90.1	10.8	63.5	3H

NURSCO 82

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC 3/	MTIME	LVOL	LVOLC 4/	BCRGR	RMKS
350214	" 770336-0D-SBD-78D-0D	554-411	HRS	67.1	67.8	2.4	925	968	3 Q-BCRGR	
350215	" 770336-0D-SBD-124D-0D	554-412	HRS	67.8	67.3	3.6	965	934	2	
350216	" 770336-0D-SBD-149D-0D	554-414	HRS							
350217	(KURTZMAN*ANZA) SHASTA 770337-0D-SBD-40D-	554-416	HRS	62.4	63.4	3.2	800	862	6 P-BCRGR	
350218	" 770337-0D-SBD-41D-0D	554-417	HRS	66.0	67.0	3.2	870	932	5 P-BCRGR	
350219	" 770337-0D-SBD-90D-0D	554-418	HRS	64.5	64.5	2.3	913	913	4 Q-P-BCRGR	
350220	" 770337-0D-SBD-139D-0D	554-423	HRS	65.0	65.0	2.4	905	905	3 Q-BCRGR	
350221	" 770337-0D-SBD-148D-0D	554-424	HRS							
350222	" 770337-0D-SBD-156D-0D	554-426	HRS							
350223	" 770337-0D-SBD-159D-0D	554-427	HRS							
350224	" 770337-0D-SBD-168D-0D	554-428	HRS	63.0	63.3	1.7	860	879	8 P-MTIME&BCRGR	
350225	(ANZA*GAINES)*(AZTECA67*ANZA) 770342-0D-	554-429	HRS	63.1	63.9	2.5	855	905	6 P-MTIME&BCRGR	
350226	" 770342-0D-SBD-18D-0D	554-431	HRS	64.9	65.7	2.6	880	930	5 P-MTIME&BCRGR	
350227	" 770342-0D-SBD-29D-0D	554-432	HRS	67.9	67.6	4.4	875	856	3 Q-BCRGR	
350228	" 770342-0D-SBD-88D-0D	554-435	HRS	67.8	67.6	4.7	920	908	2	
350229	" 770342-0D-SBD-103D-0D	554-437	HRS	64.7	64.9	2.0	940	952	6 P-MTIME&BCRGR	
350230	" 770342-0D-SBD-112D-0D	554-439	HRS	68.8	69.1	4.6	855	874	3 P-FYELD&BCRGR	
350231	" 770342-0D-SBD-117D-0D	554-441	HRS	64.3	65.0	2.2	905	948	4 P-MTIME&BCRGR	
350232	" 770342-0D-SBD-184D-0D	554-444	HRS	65.4	65.2	1.9	890	878	2 P-MTIME	
350233	(ANZA*166R)* (KURTZMAN*ANZA) 770346-0D-	554-447	HRS	62.2	61.9	3.3	840	821	3 Q-BCRGR	
350234	(CLEO*166) SHASTA 770349-0D-SBD-5D-0D	554-463	HRS	65.2	63.5	2.0	855	750	6 P-FYELD, MTIME, BCRGR	
350235	" 770349-0D-SBD-113D-0D	554-470	HRS	69.4	69.1	3.2	810	791	5 P-BCRGR	
350236	((1662*OLESEN) 166R)* YECORA ROJO	554-473	HRS	66.5	66.6	4.6	795	801	4 P-FYELD, BCRGR	
350237	(TRANSEC*SON643) SHASTA 770362-0D-SBD-98D	554-477	HRS	63.6	63.5	2.1	860	854	4 P-MTIME&BCRGR	
350238	YECORA ROJO (C1017414)	554-479	HRS	68.0	67.5	6.5	895	864	2	
350239	ANZA (C1015284)	554-480	HRS	58.5	60.1	2.3	705	804	8 P-MTIME&BCRGR	
350240	YEC S1*ANZA 700287-74D-1D-6D-4TL-1D-4D-	554-496	HRS							
350241	((INIA*CN0)CAL) ANZA 700291-18D-4D-4S-1D	554-498	HRS							
350242	" 770291-27D-3D-1S-3D-3D-1D	554-499	HRS	64.5	64.8	3.0	850	869	6 P-BCRGR	
350243	(C113232*R50) ANZA 700297-74D-1D-6D-2TL-	554-501	HRS	63.4	63.0	1.8	875	850	6 P-BCRGR	
350244	" 700297-74D-1D-6D-2TL-1D-7D-1D	554-503	HRS							
350245	((BC60*C113232) 166)* ANZA 700308-5D-3D-	554-505	HRS	66.4	67.1	5.9	840	883	2	
350246	YECORA ROJO (C1017414)	554-509	HRS							
350247	JILGUERO*SEL44 730041-11D-4D-4D-1D-3D-	554-522	HRS	61.9	62.2	2.8	830	849	8 P-BCRGR	
350248	PORTOLA*ANZA 730042-59D-4D-1D-4D-4D-1D	554-523	HRS	63.0	63.2	1.9	905	917	8 P-BCRGR	

NURSCO 82

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
350249	PORTIOLA*166R 730043-39D-2D-3D-2D-3D-4D	554-524	HRS	66.8	70.0	0.34	87.7	11.2	64.5	6H
350250	STURDY*ANZA 730045-38D-4D-2D-1D-1D-3D	554-526	HRS	65.2	66.8	0.42	80.1	11.2	63.5	2H
350251	TZPP*ANZA2 740055-11D-1D-4D-2D-1D-3D	554-531 5/	HRS	65.2	72.0	0.37	88.1	10.6	63.2	3H
350252	" 740055-25D-3D-4D-1D-2D	554-532	HRS	65.6	68.9	0.41	82.9	9.8	64.0	3H
350253	" 740055-26D-4D-4D-3D-3D-3D	554-533	HRS	66.4	70.7	0.41	84.8	9.6	64.2	2H
350254	" 740055-94D-1D-3D-3D	554-536 5/	HRS	65.6	70.5	0.38	86.1	11.1	64.9	5H
350255	" 740055-94D-1D-3D-2D	554-537 6/	HRS	65.6	70.2	0.37	86.5	10.6	65.7	5H
350256	YECORA ROJO (C1017414)	554-539	HRS	64.0	67.6	0.42	80.8	10.8	64.8	7H
350257	ANZA (C1015284)	554-540	HRS	65.2	70.2	0.38	85.6	9.4	58.9	3M
350258	ANZA((166(SEL14*BURT2-162) 750658-3D-4D-	554-545	HRS	65.6	70.5	0.39	85.6	11.8	61.3	2H
350259	((SEL14*BURT2-2-16)166)TAN71 750660-1D-	554-545	HRS	65.6	72.2	0.38	88.1	10.8	60.4	2H
350260	ANZA(CASTE/FUSANO*HYPRO) 770503-14D-1D-	554-548	HRS	66.8	70.0	0.35	87.0	10.8	59.1	1H
350261	S108-2 4R ANZA	554-550	HRS	64.8	70.7	0.36	87.2	12.0	61.2	2H
350262	S149-3-7-2-3-35-3 ANZA 1RLISO	554-551	HRS	63.6	69.9	0.36	86.4	11.5	61.8	2H
350263	ANZA/S149	554-552	HRS	65.2	70.7	0.37	86.8	10.0	59.8	3M
350264	GENARO 81	554-554	HRS	65.6	69.2	0.38	84.8	11.2	60.2	4M
350265	S149-3-1S-3-5-3-2	554-553	HRS	64.0	70.1	0.38	85.6	11.4	56.5	1M
350266	VEERY S'	554-556	HWS	65.9	68.9	0.44	81.5	11.0	61.3	3H
350267	VEERY S'	554-557	HRS	66.0	69.4	0.40	84.0	11.3	60.0	4M
350268	VEERY S'	554-558	HRS	65.6	69.9	0.37	86.1	11.4	60.3	4M
350269	VEERY S' UC551	554-559	HRS	65.0	70.2	0.39	85.5	11.2	59.1	4M
350270	CUCKOO S'	554-561	HRS	64.8	65.9	0.37	82.0	10.5	60.8	4H
350271	CNO-INIA S'*BB	554-562	HWS	64.4	66.1	0.38	81.7	9.8	63.9	4H
350272	F35.70-MO*NAC	554-563	HWS	64.8	67.8	0.37	83.8	10.7	60.5	3M
350273	DGA-BJY S'	554-564 6/	HWS	64.0	71.2	0.37	87.3	11.0	62.5	5H
350274	(CNO S'*INIA2)ANZA 700292-10D-5S-0D-4SL-	554-577	HRS	65.6	68.5	0.43	81.4	10.9	62.3	4M
350275	ANZA*CAJEME 710503-26D-4D-2D-0D	557-578 6/	HRS	65.2	70.6	0.36	87.5	11.8	62.8	6H
350276	(C113232*R50)ANZA 700297-232D-1S-1D-2TL-	554-579 6/	HRS	64.8	69.6	0.36	86.4	11.2	61.5	4M
350277	((INIA*CNO)CAL)ANZA 700283-16M-4Y-5D-3D-	554-585	HRS	65.6	70.6	0.34	88.4	11.3	62.4	2H
350278	NURI S'*ANZA 700284-16D-1S-4D-4TL-4D-4D-	554-586 5/	HWS	66.0	71.1	0.36	88.0	12.8	62.9	5H
350279	YEC S'*ANZA 700287-14D-1D-1D-0D-11D-4D-	554-587 5/	HRS	66.4	71.9	0.32	90.6	10.5	61.1	6M
350280	((INIA*CNO)CAL)ANZA 700291-38D-1S-1D-4TL	554-588	HRS	66.8	48.8	0.35	64.9	10.4	61.6	3M
350281	YEC S'*ANZA 700287-88D-1D-1D-3YD-4TL-2D	554-592	HRS	64.8	72.7	0.37	89.0	11.4	62.1	2H
350282	AZTECA*ANZA 700285-15D-1S-0D-11L-2D-3D	554-597	HRS	66.8	68.0	0.38	83.7	10.2	62.1	4M
350283	HAHN S'	554-601	HRS	63.2	69.8	0.46	81.4	10.4	61.1	3M

NURSCO 82

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC 3/	MTIME	LVOL	LVOLC 4/	BCRGR	RMKS
350249	PORTOLA*166R 730043-39D-20-3D-2D-3D-4D	554-524	HRS	67.4	67.2	5.1	895	883	6P-BCRGE	
350250	STURDY*ANZA 730045-38D-4D-2D-1D-3D	554-526	HRS	64.4	64.2	1.8	825	813	8P-MTIME&BCRGR	
350251	TZPP*ANZA2 740055-11D-1D-4D-2D-1D-3D	554-531	HRS	64.5	64.9	2.4	980	1005	2	
350252	" 740055-25D-3D-4D-1D-2D	554-532	HRS	64.5	65.7	2.6	865	939	5Q-P-BCRGR	
350253	" 740055-26D-4D-4D-3D-3D-3D	554-533	HRS	64.5	65.9	2.4	865	952	6P-BCRGR	
350254	" 740055-94D-1D-3D-3D	554-536	HRS	67.7	67.6	4.0	890	884	2	
350255	" 740055-94D-1D-3D-20D	554-537	HRS	68.0	68.4	4.2	835	860	3	
350256	YECORA ROJO (C1017414)	554-539	HRS	67.3	67.5	5.9	840	852	2	
350257	ANZA (C1015284)	554-540	HRS	59.0	60.6	2.2	725	824	8 P-MTIME&BCRGR	
350258	ANZA((166(SEL14*BURT2-162) 750658-3D-4D-	554-545	HRS	62.8	62.0	2.2	940	890	5 P-MTIME&BCRGR	
350259	((SEL14*BURT2-2-16))166)TAN71 750660-1D-	554-545	HRS							
350260	ANZA(CASTE/FUSANO*HYPRO) 770503-14D-1D-	554-548	HRS							
350261	S108-2 4R ANZA	554-550	HRS							
350262	S149-3-7-2-3-35-3 ANZA 1RLISO	554-551	HRS	62.5	62.0	1.5	930	899	6 P-MTIME&BCRGR	
350263	ANZA/S149	554-552	HRS							
350264	GENARO 81	554-554	HRS	62.1	61.9	2.3	790	778	6 P-MTIME&BCRGR	
350265	S149-3-1S-3-5-3-2	554-553	HRS							
350266	VEERY S'	554-556	HWS	63.0	63.0	2.8	780	780	7 P-MTIME&BCRGR	
350267	VEERY S'	554-557	HRS							
350268	VEERY S'	554-558	HRS	62.4	62.0	2.3	825	800	6 P-MTIME&BCRGR	
350269	VEERY S' UC551	554-559	HRS							
350270	CUCKOO S'	554-561	HRS	61.0	60.8	2.4	765	753	8 P-MTIME&BCRGR	
350271	CNO-INIA S'*BB	554-562	HWS	62.0	62.5	3.0	780	811	7 P-FYELD&BCRGR	
350272	F35.70-MO*NAC	554-563	HWS	64.4	65.6	2.8	750	824	6 P-FYELD&BCRGR	
350273	DGA-BJY S'	554-564	HWS	65.2	65.2	3.9	910	910	4 Q-P-BCRGR	
350274	(CNO S'*INIA2)ANZA 700292-10D-5S-0D-4SL-	554-577	HRS							
350275	ANZA*CAJEME 710503-26D-4D-2D-2D-0D	557-578	HRS	63.9	64.0	3.0	885	891	5 Q-P-BCRGR	
350276	(C113232*R50)ANZA 700297-232D-1S-1D-2TL-	554-579	HRS	66.3	65.5	4.8	890	840	3 Q-BCRGR	
350277	((INIA*CNO)CAL)ANZA 700283-16M-4Y-5D-3D-	554-585	HRS	63.4	63.2	2.8	890	878	2	
350278	NURI S'*ANZA 700284-16D-1S-4D-4TL-4D-4D-	554-586	HWS	64.4	64.1	2.1	875	856	6 P-MTIME&BCRGR	
				66.4	64.6	3.9	975	863	2	
350279	YEC S'*ANZA 700287-14D-1D-1D-0D-11D-4D-	554-587	HRS	62.3	62.8	3.0	870	901	2	
350280	((INIA*CNO)CAL)ANZA 700291-38D-1S-1D-4TL	554-588	HRS							
350281	YEC S'*ANZA 700287-88D-1D-1D-3YD-4TL-2D	554-592	HRS	63.2	62.8	2.0	945	920	4 Q-P-MTIME&BCRGR	
350282	AZTECA*ANZA 700285-15D-1S-0D-1TL-2D-3D	554-597	HRS	63.0	63.8	2.3	800	850	7 P-MTIME&BCRGR	
350283	HAHN S'	554-601	HRS							

3.0000
0.0000

0.0000
0.0000

0.0000
0.0000

0.0000
0.0000

0.0000
0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

0.0000

NURSCO 82

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYIELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/ 3/		1/ 3/		
350284	71-TI 21 RESEL*ANZA	554-604	HRS	66.0	68.9	0.40	83.4	10.8	62.8	8M
350285	BUC S'-BJY S'	554-605	HRS	63.6	68.2	0.39	83.3	9.7	63.3	2H
350286	ANZA(D6301*NAI60) 710499-3D-4D-1D-1D-	554-607	HRS	64.8	69.8	0.37	86.1	10.5	63.9	8M
350287	" 710499-361D-1D-1D-3D-3D-OD	554-608	HRS	63.2	68.0	0.40	82.6	9.5	60.5	4M
350288	R37-GHL121*KAI-BB	554-611	HRS	64.8	66.7	0.36	83.1	11.5	66.0	6H
350289	VEERY S'	554-614	HRS	64.4	67.9	0.39	82.8	11.9	60.7	4M
350290	DOVE S'	554-618	HRS	64.4	65.7	0.40	80.0	11.5	58.6	3M
350291	JUP-BJY S'	554-619	HRS	65.2	65.7	0.36	82.3	11.3	66.6	6H
350292	K4500.2-BJY S'	554-620	HRS	62.8	68.8	0.42	82.5	10.8	63.8	4H
350293	JUP-MUS S' (CN067 S'-7C*CN067-166/TOB)	554-626	HRS	64.8	68.8	0.41	82.9	10.8	61.1	6M
350294	YECORA ROJO (C1017414)	554-629	HRS	63.6	68.9	0.40	83.6	11.8	63.9	6H
350295	BB*TOB-8156/SX	554-631	HWS	65.2	66.8	0.39	81.9	9.9	63.5	5H
350296	YR-PAM S'	554-633	HWS	64.0	68.1	0.42	81.8	13.1	60.4	3H
350297	HER-MAYA	554-634	HRS	63.2	68.8	0.43	81.7	12.7	65.1	6H
350298	BUC S'-BJY S'	554-636	HRS	64.8	66.0	0.44	78.3	11.2	62.4	5H
350299	BUC S'-BJY S'	554-638	HRS	64.0	67.0	0.43	80.0	10.6	67.5	5H
350300	MON S'-MN72131	554-643	HWS	64.0	69.3	0.45	81.4	11.2	62.6	6H
350301	BUCC S' (TZPP*IRN46-CN067/PRT)	554-648	HRS	61.6	68.4	0.43	81.5	11.6	67.2	5H
350302	PVN S'-PAM S'	554-651	HWS	64.8	67.3	0.47	78.2	11.8	62.9	4H
350303	H570.71-ERA* SX	554-657	HRS	63.2	64.5	0.46	75.9	9.7	65.6	8M
350304	RL6010-YEC704	554-662	HWS	64.0	68.6	0.47	79.7	10.8	62.3	6H
350305	RL6010-YEC706	554-663	HWS	63.6	68.5	0.45	80.7	11.1	61.9	6H
350306	AGATHA-YEC704	554-664	HRS	63.2	71.7	0.43	84.9	11.4	61.7	5H
350307	YECORA 70	554-665	HRS	64.8	67.4	0.41	81.3	11.6	63.0	4H
350308	RL6040-CJ713	554-668	HRS	63.2	70.2	0.42	83.8	11.9	62.8	6H
350309	AGATHA-CJ713	554-669	HRS	64.4	68.4	0.41	82.3	11.5	64.1	6H
350310	RL6040-CJ713	554-670	HRS	63.6	70.7	0.40	85.3	12.2	63.4	6H
350311	AGATHA-CJ713	554-671	HRS	63.6	70.6	0.41	84.7	11.2	64.0	6H
350312	RL6040-CJ713	554-672	HRS	63.2	68.2	0.40	82.6	11.6	63.8	5H
350313	AGATHA-CJ713	554-673	HRS	64.0	69.9	0.37	85.9	11.6	63.4	6H
350314	CAJEME 71	554-674	HRS	64.0	69.1	0.41	83.3	12.0	61.5	6H
350315	AGATJA-T714	554-675	HRS	65.2	70.2	0.32	89.1	11.6	62.4	3H
350316	AGATHA-T715	554-677	HRS	64.0	69.9	0.32	88.6	12.0	62.5	3H
350317	Y50-H570.71*Y506	554-684	HRS	61.6	67.5	0.40	81.8	10.2	62.4	4M
350318	H570.71-AFM4	554-686	HRS	60.0	70.2	0.37	86.4	11.0	61.5	4M

NURSCO 82

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					3/			4/		
350284	71-T1 21 RESEL*ANZA	554-604	HRS	65.3	65.5	3.9	780	792	6 P-BCRGR	
350285	BUC S'-BJY S'	554-605	HRS	63.7	65.0	2.3	800	881	8 P-MTIME&BCRGR	
350286	ANZA(D6301*NA160) 710499-3D-4D-1D-1D-	554-607	HRS	66.1	66.6	4.3	820	851	6 P-BCRGR	
350287	" 710499-361D-1D-1D-3D-3D-00	554-608	HRS							
350288	R37-CHL121*KAI-BB	554-611	HRS	68.7	68.2	4.7	850	819	3 P-FYELD Q-BCRGR	
350289	VEERY S'	554-614	HRS							
350290	DOVE S'	554-618	HRS	63.3	62.4	2.3	870	814	5 P-FYELD,MTIME&BCRGR	
350291	JUP-BJY S'	554-619	HRS							
350292	K4500.2-BJY S'	554-620	HRS	69.6	69.3	5.3	840	821	6 P-FYELD,MTIME&BCRGR	
350293	JUP-MUS S' (CN067 S'-7C*CN067-166/T0B)	554-626	HRS	64.3	64.5	3.0	910	922	4 Q-P-BCRGR	
		554-626	HRS	62.6	62.8	3.5	790	802	8 P-BCRGR	
350294	YECORA ROJO (C1017414)	554-629	HRS	67.4	66.6	5.0	900	850	4 Q-P-BCRGR	
350295	BB*TOB-8156/SX	554-631	HWS	65.1	66.2	3.5	895	963	5 P-FYELD&BCRGR	
350296	YR-PAM S'	554-633	HWS	64.2	62.1	2.9	860	730	4 P-LVOL&BCRGR	
350297	HER-MAYA	554-634	HRS	69.5	67.8	4.8	925	820	4 Q-P-BCRGR	
350298	BUC S'-BJY S'	554-636	HRS	65.3	65.1	3.5	850	838	6 P-FYELD&BCRGR	
350299	BUC S'-BJY S'	554-638	HRS	68.8	69.2	3.3	840	865	5 P-FYELD&BCRGR	
350300	MON S'-MN72131	554-643	HWS	66.5	66.3	5.5	900	888	2	
350301	BUCC S' (TZPP*IRN46-CN067/PRT)	554-648	HRS	69.5	68.9	3.3	925	888	2	
350302	PVN S'-PAM S'	554-651	HWS	65.4	64.6	3.3	860	810	3 Q-FYELD&BCRGR	
350303	H570.71-ERA*5X	554-657	HRS	67.0	68.3	3.7	835	916	3 P-FYELD Q-BCRGR	
350304	RL6010-YEC704	554-662	HWS	64.8	65.0	5.4	900	912	1	
350305	RL6010-YEC706	554-663	HWS	64.7	64.6	5.5	885	879	2	
350306	AGATHA-YEC704	554-664	HRS	64.8	64.4	4.7	935	910	4 Q-BCRGR, Creamy Color	
350307	YECORA 70	554-665	HRS	65.3	64.7	3.1	860	823	3	
350308	RL6040-CJ713	554-668	HRS	66.4	65.5	5.3	905	849	2 Slight Creamy Color	
350309	AGATHA-CJ713	554-669	HRS	67.3	66.8	5.0	925	894	3 Q-BCRGR	
350310	RL6040-CJ713	554-670	HRS	67.3	66.1	5.0	915	841	2 Slightly creamy Color	
350311	AGATHA-CJ713	554-671	HRS	66.9	66.7	5.2	895	883	3 Q-BCRGR Sl. Cr. Color	
350312	RL6040-CJ713	554-672	HRS	67.1	66.5	4.4	940	903	3 Q-BCRGR	
350313	AGATHA-CJ713	554-673	HRS	66.7	66.1	5.0	925	888	3 Q-BCRGR Sl. Cr. Color	
350314	CAJEME 71	554-674	HRS	65.2	64.2	4.8	940	878	3 Q-BCRGR	
350315	AGATJA-T714	554-675	HRS	64.7	64.1	2.5	960	923	6 P-BCRGR Vy. Cr. Color	
350316	AGATHA-T715	554-677	HRS	63.2	62.2	2.6	955	893	2 Very Creamy Color	
350317	Y50-H570.71*Y506	554-684	HRS	63.3	64.1	2.4	890	940	5 Q-FYELD&BCRGR	
350318	H570.71-AFM4	554-686	HRS	63.2	63.2	2.6	890	890	4 Q-FYELD&BCRGR	

NURSCO 82

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	TWT	FYELD	FASH	MSCOR	FPROT	MABSC	MTYPE
						1/		1/	3/	
350319	YECORA ROJO (C1017414)	554-689	HRS	65.2	69.8	0.42	83.5	10.9	64.7	6H
350320	ANZA (C1015284)	554-690	HRS	65.2	70.4	0.36	87.1	9.2	59.5	3M
350321	RL6010-YEC702	554-698	HWS	65.2	66.5	0.44	79.1	11.1	63.5	5H
350322	RL6010-YEC706	554-699	HWS	64.8	68.8	0.43	81.9	11.2	63.8	6H
350323	AGATHA-YEC703	554-700	HWS	64.0	72.3	0.40	87.2	11.0	61.0	6H
350324	(ERA-SON64*ERA2/AGATHA)ERA	554-702	HRS	64.4	72.2	0.34	89.8	11.8	64.7	5H

NURSCO 82

CORCORAN, CA

C.O. QUALSET

LABNUM	VARIETY	IDNO	CLASS	BABS	BABSC	MTIME	LVOL	LVOLC	BCRGR	RMKS
					<u>3/</u>			<u>4/</u>		
350319	YECORA ROJO (C1017414)	554-689	HRS	67.3	67.4	5.3	900	906	2	P-MTIME&BCRGR
350320	ANZA (C1015284)	554-690	HRS	59.4	61.2	2.0	720	832	9	P-FYELD&BCRGR
350321	RL6010-YEC702	554-698	HWS	66.3	66.2	3.3	850	844	5	P-BCRGR
350322	RL6010-YEC706	554-699	HWS	66.7	66.5	4.3	900	888	6	Q-BCRGR Sl. Cr. Color
350323	AGATHA-YEC703	554-700	HWS	63.7	63.7	4.3	910	910	4	Q-BCRGR Vy. Cr. Color
350324	(ERA-SON64*ERA2/AGATHA)ERA	554-702	HRS	67.2	66.4	4.0	925	875	4	

COMMENTS: This group of experimental wheats is widely variant in quality, from very good to very poor. Those with missing bread baking data were not baked because of the very poor dough mixing properties (Mixograph). The selections footnoted are worthy of further testing; several are very promising (#554-9, 554-349, 554-361, 554-412, 554-531, 554-586, 554-587). Selection #554-531 is most outstanding in overall quality. The selections on pages 7 & 8 with Agatha may be unacceptable due to their creamy color. See "Remarks" for major deficiencies, most common of which is short mix times and associated heavy bread crumb structure.

P = Poor; Q = Questionable

LIND, PULLMAN, WA

NURSCO 83

LABNUM	VARIETY	IDNO	CLASS	WPROT	FYELD	FASH	MSCOR	FPROT	AGTRO	MABSC	MTYPE	VISC	CODI
					1/			1/		3/			
*350325	PAHA --PULLMAN WINTER--	CI014485	CLUB	12.7	73.6	0.43	85.2	11.2	68.3	52.2	2M	108	8.71
350326	DAWS	CI017419	SWW	12.8	68.8	0.42	76.3	10.7	71.0	54.0	3M	160	8.39
350327	STEPHENS	CI017596	SWW	13.1	70.9	0.42	80.2	10.2	79.0	56.1	2M	143	8.49
350328	HATTON	CI017772	HRW	12.7	72.8	0.36	87.8	12.3	53.0	61.9	4H	321	7.96
350329	TYEE	CI017773	CLUB	12.1	72.6	0.44	82.8	10.8	64.5	54.5	3M	130	8.79
350330	LEWJAIN	CI017909	SWW	10.9	71.3	0.40	81.2	9.4	69.0	54.9	3L	122	9.22
350331	TRES	CI017917	CLUB	12.4	72.9	0.43	83.5	10.7	64.0	48.0	1M	83	9.09
350332	CREW	CI017951	CLUB	12.0	74.2	0.46	83.3	10.3	63.3	49.8	1M	82	9.04
350333	HILL 81	CI017954	SWW	11.4	73.7	0.41	84.7	10.4	67.3	56.2	2M	150	8.96
350334	DUSTY	PI486429	SWW	10.3	70.9	0.33	84.3	8.9	71.3	54.5	4M	95	9.07
350335	JOHN	PI494095	SWW	10.9	72.0	0.37	84.1	9.7	69.5	52.5	2M	114	9.04
350336	BATUM	PI495013	HRW	12.6	70.9	0.35	86.3	11.5	70.0	61.0	2H	321	7.94
350337	VPM/MOS951//2*HILL81	WA7163	SWW	12.3	71.7	0.40	82.0	11.3	66.0	54.9	3M	207	8.59
350338	WPM/MOS951//2*RAEDER	WA7165	SWW	12.7	68.0	0.38	77.1	10.6	64.3	59.1	3M	237	8.35
350339	HYS/YAYLA//4995/3/CERCO	OR7996	SWW	11.3	70.2	0.40	78.9	9.6	27.3	56.5	6M	137	8.89
350340	BURT --LIND WINTER--	CI012696	HRW	13.8	69.0	0.49	76.3	12.2	60.0	60.8	2H	234	7.87
350341	MORO	CI013740	CLUB	12.5	74.4	0.46	83.1	10.7	60.5	53.4	1H	152	8.77
350342	WANSER	CI013844	HRW	13.9	71.0	0.39	84.4	12.4	66.3	63.3	2H	294	7.74
350343	NUGAINES	CI013968	SWW	12.1	69.4	0.42	76.5	10.8	74.3	58.0	1H	181	8.56
350344	YAMHILL	CI014563	SWW	12.5	71.6	0.48	77.6	11.2	79.3	57.3	2M	139	8.82
350345	HYSLOP	CI014564	SWW	13.0	70.0	0.47	76.3	11.4	73.0	57.1	1H	166	8.67
350346	LUKE	CI014586	SWW	13.2	71.3	0.43	79.9	11.4	71.0	57.7	1H	175	8.87
350347	SPRAGUE	CI015376	SWW	12.4	71.0	0.43	80.0	10.9	78.0	51.6	1H	142	8.97
350348	DAWS	CI017419	SWW	13.1	68.9	0.42	76.6	11.3	70.5	55.3	3M	154	8.61
350349	FARO	CI017590	CLUB	12.1	73.3	0.44	82.0	10.7	72.5	52.4	2M	133	8.89
350350	STEPHENS	CI017596	SWW	12.3	71.6	0.48	76.6	11.4	71.3	54.0	2M	90	8.62
350351	WESTON	CI017727	HRW	13.4	71.7	0.39	84.9	12.7	67.3	61.7	2H	368	8.05
350352	HATTON	CI017772	HRW	13.6	72.0	0.38	86.3	12.4	66.5	61.8	2H	256	7.91
350353	TYEE	CI017773	CLUB	12.6	72.4	0.42	81.6	11.0	70.3	55.4	2M	136	8.96
350354	LEWJAIN	CI017909	SWW	13.0	73.6	0.43	83.5	11.4	69.5	58.1	1H	159	8.67
350355	TRES	CI017917	CLUB	11.8	74.2	0.46	84.6	10.7	70.3	46.9	1M	64	8.75
350356	CREW	CI017951	CLUB	11.9	74.2	0.46	83.9	10.6	63.3	50.0	2M	89	8.90
350357	HILL 81	CI017954	SWW	13.0	74.0	0.49	81.2	11.9	65.5	55.7	2M	121	8.65
350358	BATUM	PI495013	HRW	13.8	72.7	0.37	87.2	12.2	70.3	61.9	2H	238	7.62
350359	JACMAR	WA6585	CLUB	12.7	73.3	0.48	81.4	11.1	68.5	53.3	2M	106	9.10

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 145 Moisture Corrected to 11% Protein.

4/ Observed Values Corrected to 11% Protein.

*350000 #'s are a second group of the 1985 crop.

5/ Particularly Promising Overall Quality Characteristics.

6/ Promising Overall Quality Characteristics.

NURSCO 83

LIND, PULLMAN, WA

LABNUM	VARIETY	IDNO	CLASS	WPROT	FYELD	FASH		MSCOR	FPROT		AGIRO	MABSC	MTYPE	VISC	CODI
						1/	2/		1/	3/					
350360	ANDREW	WA6820	HRW	13.4	72.2	0.43	83.1	13.0	63.0	61.7	2H	359	7.77		
350361	WAMPUM	CI017691	HRS	14.8	70.8	0.46	80.9	14.3	61.5	61.8	4H	321	8.20		
350362	DIRKWIN	CI017745	SWS	11.5	73.9	0.50	81.8	11.0	72.3	56.5	2M	99	8.44		
350363	MCKAY	CI017903	HRS	12.5	71.4	0.39	84.3	12.3	64.0	63.4	6H	289	7.86		
350364	OWENS	CI017904	SWS	10.5	72.7	0.39	84.3	9.6	73.0	54.0	2M	118	9.17		
350365	WAVERLY	CI017911	SWS	15.1	68.1	0.46	74.9	12.9	67.3	57.6	2H	232	8.32		
350366	EDWALL	PI477919	SWS	12.5	71.0	0.41	80.8	10.8	66.0	56.1	2M	191	8.71		
350367	PENAWA	WA6920	SWS	14.6	65.7	0.50	68.0	11.8	62.5	58.1	4H	238	8.20		
350368	SPILLMAN	WA7075	HRS	14.9	69.0	0.42	80.1	13.7	67.5	65.6	5H	356	7.56		
350369	WARD	CI015926	HRS	15.8	69.9	0.47	79.1	14.3	68.0	60.3	2H	337	7.69		
350370	URQUIE	CI017413	SWS	13.8	71.3	0.49	76.8	12.5	63.8	57.5	1H	223	8.49		
350371	WAMPUM	CI017691	HRS	15.2	71.0	0.48	80.7	14.1	63.8	64.6	2H	323	8.01		
350372	BORAH	CI017267	HRS	16.2	66.5	0.42	76.0	14.5	63.3	65.0	2H	409	7.92		
350373	DIRKWIN	CI017745	SWS	14.7	69.7	0.49	75.4	13.2	69.0	57.8	1H	168	8.09		
350374	MCKAY	CI017903	HRS	15.9	67.5	0.43	77.3	14.0	62.5	66.8	3H	388	7.87		
350375	OWENS	CI017904	SWS	14.5	68.3	0.44	75.8	12.7	63.8	58.4	1H	220	8.66		
350376	WAVERLY	CI017911	SWS	14.7	70.0	0.44	76.9	13.4	67.0	60.0	1H	217	8.30		
350377	EDWALL	PI477919	SWS	13.8	67.0	0.45	73.3	12.5	61.8	58.6	1H	198	8.57		
350378	POTAH	WA6916	SWS	14.4	68.4	0.48	73.4	13.2	58.5	60.4	2H	218	8.34		
350379	PENAWA	WA6920	SWS	13.9	66.4	0.51	68.4	12.9	64.3	60.5	2H	217	8.51		
350380	SPILLMAN	WA7075	HRS	16.8	67.6	0.48	74.7	15.2	62.0	65.4	2H	337	7.84		

LIND, PULLMAN, WA

NURSCO 83

LABNUM	VARIETY	IDNO	CLASS	CODIC	CAVOL	SCSOR	WTIN	NOSCO	BARS	MTIME	LVOL	LVOLC	BCRCR
					4/							4/	
350325	PAHA --PULLMAN WINTER--	C1014485	CLUB	8.73	1285	77.0	383	74	54.1	1.4	680	669	9
350326	DAWS	C1017419	SWW	8.35	1295	78.0	375	71	55.4	2.3	835	853	6
350327	STEPHENS	C1017596	SWW	8.40	1270	74.0	375	71	57.0	1.8	850	898	9
350328	HATTON	C1017772	HRW	8.07	1235	71.0	371	69	64.4	2.9	905	824	2
350329	TYEE	C1017773	CLUB	8.77	1295	79.0	370	69	56.0	2.4	885	896	8
350330	LEWJAIN	C1017909	SWW	9.05	1360	83.0	366	70	55.0	2.6	830	926	6
350331	TRES	C1017917	CLUB	9.07	1310	80.0	382	70	49.4	1.0	540	557	9
350332	CREW	C1017951	CLUB	8.99	1320	77.0	389	69	50.8	1.7	715	754	9
350333	HILL 81	C1017954	SWW	8.90	1285	76.0	383	71	57.3	2.0	865	901	6
350334	DUSTY	PI486429	SWW	8.84	1340	79.0	353	69	54.1	3.4	835	961	5
350335	JOHN	PI494095	SWW	8.89	1345	81.0	368	72	52.9	2.0	825	903	7
350336	BATUM	PI495013	HRW	7.98	1200	68.0	347	69	62.2	1.9	970	939	4
350337	VPM/MOS951//2*HILL81	WA7163	SWW	8.62	1250	70.0	369	70	56.9	1.9	900	882	5
350338	VPM/MOS951//2*RAEDER	WA7165	SWW	8.31	1285	74.0	354	67	60.4	2.3	935	959	6
350339	HYS/YAYLA//4995/3/CERCO	OR7996	SWW	8.73	1330	78.0	343	58	56.8	3.7	845	929	4
350340	BURT --LIND WINTER--	C1012696	HRW	7.97	1170	67.0	366	72	62.7	2.0	990	916	4
350341	MORO	C1013740	CLUB	8.75	1280	74.0	385	70	54.8	1.5	835	852	9
350342	WANSER	C1013844	HRW	7.85	1155	64.0	378	70	64.9	2.4	993	896	4
350343	NUGAINES	C1013968	SWW	8.54	1315	79.0	393	72	59.5	1.6	835	847	9
350344	YAMHILL	C1014563	SWW	8.85	1240	71.0	390	70	59.2	1.7	895	883	9
350345	HYSLOP	C1014564	SWW	8.73	1265	76.0	361	70	59.2	1.7	900	876	9
350346	LUKE	C1014586	SWW	8.91	1320	81.0	382	71	59.8	1.8	900	876	8
350347	SPRAGUE	C1015376	SWW	8.97	1320	81.0	393	70	53.2	1.1	525	531	9
350348	DAWS	C1017419	SWW	8.65	1310	79.0	401	72	57.3	1.8	880	862	7
350349	FARO	C1017590	CLUB	8.87	1270	75.0	378	71	53.8	1.5	710	727	9
350350	STEPHENS	C1017596	SWW	8.67	1295	78.0	389	74	56.1	1.2	690	666	9
350351	WESTON	C1017727	HRW	8.19	1175	64.0	369	68	63.1	1.1	1025	920	4
350352	HATTON	C1017772	HRW	8.02	1160	66.0	389	73	64.4	2.1	930	843	3
350353	TYEE	C1017773	CLUB	8.96	1295	78.0	398	72	57.1	1.7	825	825	9
350354	LEWJAIN	C1017909	SWW	8.71	1270	77.0	367	68	60.2	1.8	900	876	9
350355	TRES	C1017917	CLUB	8.73	1250	77.0	383	70	47.3	1.2	500	517	9
350356	CREW	C1017951	CLUB	8.87	1295	76.0	381	68	50.3	1.4	545	567	9
350357	HILL 81	C1017954	SWW	8.75	1245	73.0	395	69	57.3	1.2	730	676	9
350358	BATUM	PI495013	HRW	7.72	1085	57.0	364	68	63.8	1.3	925	851	4
350359	JACMAR	WA6585	CLUB	9.11	1280	78.0	395	71	54.1	1.4	675	670	9

DRILL STRIPS

NURSCO 83

LIND, PULLMAN, WA

LADNUM	VARIETY	IDNO	CLASS	CODIC 4/	CAVOL	SCSOR	WTIN	NOSCO	BABS	MTIME	LVOL	LVOLC 4/	BCRGR
350360	ANDREW	WA6820	IIRW	7.93	1160	65.0	367	67	64.9	2.1	935	811	2
350361	WAMPUM --PULLMAN SPRING--	CI017691	HRS	8.46	1230	68.0	368	65	66.3	4.7	990	785	2
350362	DIRKWIN	CI017745	SWS	8.44	1180	68.0	386	76	57.2	1.3	720	720	9
350363	MCKAY	CI017903	HRS	7.97	1090	60.0	359	66	66.4	5.2	915	834	2
350364	OWENS	CI017904	SWS	9.02	1250	75.0	376	79	54.3	2.0	795	879	6
350365	WAVERLY	CI017911	SWS	8.53	1250	66.0	373	72	58.2	1.4	1010	896	2
350366	EDWALL	PI477919	SWS	8.69	1220	70.0	391	78	54.6	1.4	920	932	2
350367	PENAWA	WA6920	SWS	8.29	1260	71.0	389	75	60.6	6.4	1035	987	2
350368	SPILLMAN	WA7075	HRS	7.78	1140	61.0	370	71	70.0	4.3	1000	833	4
350369	WARD --LIND SPRING--	CI015926	HRS	7.95	1130	60.0	374	70	63.8	2.3	1040	835	2
350370	URQUIE	CI017413	SWS	8.65	1325	77.0	366	71	59.7	1.4	890	800	8
350371	WAMPUM	CI017691	HRS	8.02	1205	72.0	366	69	63.9	2.2	1005	999	3
350372	BORAH	CI017267	HRS	7.96	1175	68.0	375	69	64.2	1.2	1085	1054	4
350373	DIRKWIN	CI017745	SWS	8.00	1215	74.0	407	75	57.7	1.2	685	733	9
350374	MCKAY	CI017903	HRS	7.87	1140	62.0	358	65	67.0	3.1	1095	1095	2
350375	OWENS	CI017904	SWS	8.52	1325	78.0	392	74	57.8	1.3	730	808	9
350376	WAVERLY	CI017911	SWS	8.23	1225	72.0	379	71	60.1	1.3	885	921	8
350377	EDWALL	PI477919	SWS	8.41	1270	76.0	414	75	57.8	1.2	785	875	9
350378	POTAM 70/WA6021	WA6916	SWS	8.25	1265	76.0	381	72	60.3	2.0	965	1013	9
350379	PENAWA	WA6920	SWS	8.39	1280	78.0	366	71	59.1	2.2	1070	1136	8
350380	SPILLMAN	WA7075	HRS	7.93	1115	62.0	338	65	67.8	1.9	1085	1011	8

COMMENTS: These commercial varieties and advanced selections were grown through the cooperation of the Agronomy and Soils Dept., Washington State University for this laboratory. They serve as a source of research material for Laboratory projects and others.

NURSCO 85

MOSCOW, ID

C.T. LIU

LABNUM	VARIETY	IDNO	CLASS	TWT	FYIELD	FASH	MSCOR	FPROT	MABSC	MTYPE	BABS	BABSC	MTIME
					1/	1/	1/	1/	3/			3/	
*350381 CA8023			HRW	59.2	66.6	0.34	84.3	12.3	58.1	2M	59.1	59.8	1.3
350382 CA8051			HRW	59.6	66.5	0.30	86.4	13.0	55.6	1H	57.3	57.3	1.1
350383 CA8052			HRW	60.4	69.2	0.31	88.3	12.8	58.6	3M	60.1	60.3	1.8
350384 CA8053			HRW	59.6	67.6	0.30	87.1	12.9	58.4	3M	60.0	60.1	1.9
350385 CA8056			HRW	60.4	60.2	0.32	78.6	12.6	57.6	2M	58.9	59.3	1.3
350386 CA8057			HRW	61.6	67.6	0.33	85.9	12.2	54.2	2M	55.1	55.9	1.2
350387 CA80224			HRW	58.8	67.1	0.31	86.1	13.3	48.4	1H	50.4	50.1	1.2
350388 CA8129			HRW	61.6	65.7	0.31	84.6	12.5	55.4	1H	56.6	57.1	1.1
350389 FONG KANG 2			HRW	61.6	67.5	0.26	89.2	13.3	54.1	1H	56.1	55.8	1.1
350390 FONG KANG 4			HRW	60.4	67.6	0.27	89.0	12.8	52.1	1H	53.6	53.8	1.1
350391 JING HUA			HRW	58.8	63.4	0.33	81.4	11.4	48.3	1H	48.4	50.0	1.2
350392 JING DONG			HRW	58.4	66.5	0.30	86.3	13.1	46.6	1H	47.7	47.6	1.0
350393 79 DONG 66			HRW	59.6	64.6	0.30	84.1	13.5	48.2	1H	50.4	49.9	1.1
350394 TAI YUAN			HRW	60.4	69.9	0.26	91.8	13.4	48.4	1H	50.5	50.1	1.2
350395 NONG DA 139			SWW	61.2	67.3	0.30	87.8	11.4	48.8	1H	49.9	51.5	1.4
350396 HONG LIANG			HRW	61.2	65.6	0.30	85.4	12.2	54.6	2H	56.5	57.3	1.8
350397 82-3420			HRW	60.4	66.5	0.33	84.8	12.8	51.0	1H	53.5	53.7	1.3
350398 82-3442			HRW	59.6	66.4	0.33	84.7	12.8	50.7	2H	55.2	55.4	2.4
350399 82-3446			HRW	61.2	68.5	0.33	86.9	12.8	51.8	3M	54.3	54.5	1.8
350400 82-3466			HRW	58.8	68.9	0.30	88.8	13.0	50.0	1H	52.7	52.7	1.3
350401 82-3475			HRW	60.0	68.4	0.34	86.2	12.9	50.0	1H	52.6	52.7	1.2
350402 79-2060			SWW	59.6	62.7	0.32	80.6	12.7	54.4	2H	56.8	57.1	2.5
350403 7552-5-1			HRW	58.8	62.7	0.32	80.9	13.9	51.5	1H	55.1	54.2	1.2
350404 HILL 81	C1017954		SWW	63.6	64.9	0.45	75.2	12.6	56.3	2M	57.6	58.0	1.5
350405 LEWJAIN	C1017909		SWW	56.4	64.0	0.41	76.7	11.0	57.1	4M	56.8	58.8	2.1
350406 DAWS	C1017419		SWW	54.4	62.2	0.42	73.4	11.0	56.6	2M	57.3	59.3	2.3
350407 WANSEER	C1013844		HRW	57.6	69.5	0.34	87.3	12.6	61.3	3H	63.6	64.0	3.9

1/ Observed Values Corrected to 14% Moisture Basis.

3/ Absorption at 14% Moisture Corrected to 13% Protein.

4/ Observed Values Corrected to 13% Protein.

5/ Particularly Promising Overall Quality Characteristics

6/ Promising Overall Quality Characteristics.

*350000 #'s are a second group of the 1985 crop.

CHINA WHEAT

NURSCO 85

MOSCOW, ID

C.T. LIU

LABNUM	VARIETY	IDNO	CLASS	LVOL	LVOLC 4/	BCRGR	CODI	CODIC 4/	CAVOL	SCSOR	WTIN	NOSCO	RMKS
350381	CA8023		HRW	765	808	9	8.61	8.56			373	61	
350382	CA8051		HRW	685	685	93	8.69	8.69					
350383	CA8052		HRW	845	857	8	8.52	8.51					
350384	CA8053		HRW	810	816	8	8.45	8.44			364	62	
350385	CA8056		HRW	800	825	8	8.29	8.26					
350386	CA8057		HRW	715	765	93	8.56	8.50					
350387	CA80224		HRW	600	581	92	8.55	8.57			370	68	
350388	CA8129		HRW	645	676	92	8.30	8.26					
350389	FONG KANG 2		HRW	665	646	93	8.61	8.64	1185	65.0			
350390	FONG KANG 4		HRW	680	692	93	8.69	8.67	1220	68.0			
350391	JING HUA		HRW	450	549	95	8.74	8.61	1175	65.0			
350392	JING DONG		HRW	580	574	94	8.57	8.58	1250	74.0			
350393	79 DONG 66		HRW	600	569	94	8.25	8.29	1175	64.0			
350394	TAI YUAN		HRW	705	680	9	8.70	8.73	1260	74.0			
350395	NONG DA 139		SWW	640	736	92	9.07	8.90	1295	77.0			
350396	HONG LIANG		HRW	775	825	8	8.52	8.46	1210	68.0			
350397	82-3420		HRW	700	712	9	8.42	8.41					
350398	82-3442		HRW	700	712	9	8.30	8.28			364	67	
350399	82-3446		HRW	680	692	92	8.50	8.48					
350400	82-3466		HRW	720	720	9	8.66	8.66					
350401	82-3475		HRW	545	551	93	8.56	8.55	1170	63.0			
350402	79-2060		SWW	875	893	3	8.70	8.67	1180	62.0			
350403	7552-5-1		HRW	675	619	92	8.25	8.32	1130	61.0			
350404	HILL 81	C1017954	SWW	950	974	6	8.49	8.44	1260	76.0			
350405	LEWJAIN	C1017909	SWW	885	1005	4	8.84	8.62	1320	79.0			
350406	DAWS	C1017419	SWW	895	1015	4	8.51	8.29	1290	77.0			
350407	WANSER	C1013844	HRW	1025	1053	2	8.62	8.59	1235	71.0			

COMMENTS: Protein level of these varieties were very high (Avg. 13% - flour). All have hard endosperm with the exception of Nong Da 139 and No. 79-2060, which were SWW. Cookie diameters were generally equal or better than the PNW check varieties. The Chinese wheats are characterized by low water absorption and short mixing time. Most were extremely poor in bread baking (much poorer than PNW SWW's), but with some range of differences. The cake baking performances ranged from poor to good. Jing Dong, Tai Yuan, and Nong Da 139 were good. Noodles had good yield (WTIN), but were firm and short in texture which lowered the score.

USDA, SEA AR
WESTERN WHEAT QUALITY LAB.
PULLMAN, WA.

U.S. WHEAT ASSOCIATES CARGO SAMPLING

PORTLAND, OLYMPIA

NURSCO 86

LABNUM	VARIETY	IDNO	CLASS	TWT	WPROT	WMIST	F.N.	DSI	FYELD	FPROT	FASH
										1/	1/
350408	3-14-86 PORTLAND, OR	2701	SWW	61.3	10.7	10.3	466	.038	72.6	9.6	0.42
350409	3-17-86 PORTLAND, OR	2702	SWW	60.5	11.1	10.4	496	.040	72.9	9.4	0.42
350410	3-19-86 PORTLAND, OR	2656	SWW	61.4	10.3	10.4	453	.053	72.5	9.1	0.39
350411	3-19-86 PORTLAND, OR	2664	SWW	61.0	11.0	10.1	420	.080	72.6	8.8	0.41
350412	3-19-86 PORTLAND, OR	2658	SWW	61.7	11.3	9.2	464	.044	72.6	9.1	0.40
350413	3-20-86 PORTLAND, OR	2659	SWW	60.8	11.2	9.2	473	.044	70.8	9.3	0.39
350414	3-20-86 PORTLAND, OR	2660	SWW	61.4	11.2	10.0	452	.049	73.2	9.4	0.39
350415	3-20-86 PORTLAND, OR	2661	SWW	59.2	11.4	10.4	464	.056	71.8	9.5	0.41
350416	3-21-86 PORTLAND, OR	2662	SWW	60.3	11.2	10.4	389	.135	72.2	9.4	0.41
350417	3-21-86 PORTLAND, OR	2663	SWW	60.6	9.9	10.3	519	.052	71.6	8.1	0.39
350418	3-24-86 PORTLAND, OR	3352	SWW	62.1	10.9	10.6	478	.042	72.9	8.8	0.40
350419	3-24-86 PORTLAND, OR	2703	SWW	61.2	11.1	10.0	463	.052	72.0	8.8	0.40
350420	3-26-86 PORTLAND, OR	2706	SWW	61.8	10.5	10.3	468	.048	72.8	8.8	0.41
350421	3-27-86 PORTLAND, OR	2668	SWW	61.5	11.0	9.6	476	.050	72.7	9.1	0.41
350422	3-27-86 PORTLAND, OR	2669	SWW	61.1	10.6	9.9	449	.049	73.3	8.8	0.41
350423	3-28-86 PORTLAND, OR	2670	SWW	60.9	11.4	10.1	390	.121	71.6	9.3	0.42
350424	3-20-86 OLYMPIA, WA	4308	SWW	61.9	10.4	9.7	467	.058	72.1	8.5	0.43
350425	3-20-86 OLYMPIA, WA	4289	SWW	62.8	11.0	9.2	464	.045	72.3	8.9	0.40
350426	3-20-86 OLYMPIA, WA	4290	SWW	62.4	10.8	9.6	483	.043	73.4	8.5	0.42
350427	3-24-86 OLYMPIA, WA	4306	SWW	60.2	10.7	10.4	444	.059	73.6	8.9	0.45
350428	3-25-86 OLYMPIA, WA	4307	SWW	61.7	10.1	10.1	500	.051	72.9	8.5	0.43
350429	3-28-86 OLYMPIA, WA	4310	SWW	60.2	10.6	10.4	446	.054	72.5	9.0	0.42
350430	4-01-86 OLYMPIA, WA	4311	SWW	61.2	9.6	10.3	476	.047	72.6	9.1	0.42
350431	4-02-86 PORTLAND, OR	2707	SWW	62.1	10.6	9.9	436	.080	71.8	8.9	0.42
350432	4-04-86 PORTLAND, OR	2708	SWW	61.7	11.4	9.6	384	.077	72.8	9.3	0.42
350433	4-03-86 PORTLAND, OR	3354	SWW	61.1	10.2	10.6	400	.114	72.1	8.5	0.41
350434	4-03-86 PORTLAND, OR	3353	SWW	61.2	10.3	10.9	484	.053	72.3	8.5	0.42
350435	4-02-86 PORTLAND, OR	2674	SWW	60.7	11.3	10.2	465	.050	70.1	8.9	0.42
350436	4-03-86 PORTLAND, OR	2676	SWW	60.5	11.7	10.3	525	.054	72.6	9.7	0.43
350437	4-03-86 PORTLAND, OR	2677	SWW	61.3	10.6	9.9	425	.062	71.7	9.0	0.41
350438	4-04-86 PORTLAND, OR	2679	SWW	60.6	10.1	10.5	407	.094	66.7	8.2	0.42
350439	4-04-86 PORTLAND, OR	2680	SWW	60.9	10.2	10.2	451	.053	67.8	8.2	0.42
350440	4-05-86 PORTLAND, OR	2683	SWW	61.1	9.5	9.9	387	.065	68.2	7.8	0.37
350441	4-07-86 PORTLAND, OR	2709	SWW	60.2	11.3	10.7	456	.055	71.7	9.2	0.39
350442	4-09-86 PORTLAND, OR	3251	SWW	61.2	10.3	10.1	479	.055	71.7	8.8	0.39

1/ Observed Values Corrected to 14% Moisture Basis.

5/ Particularly Promising Overall Quality Characteristics.

3/ Absorption at 14% Moisture Corrected to 9% Protein.

6/ Promising Overall Quality Characteristics.

4/ Observed Values Corrected to 9% Protein.

USDA, SEA AR
WESTERN WHEAT QUALITY LAB.
PULLMAN, WA.

NURSCO 86

PORTLAND, OLYMPIA

LABNUM	VARIETY	IDNO	CLASS	FABS	FPEAK	FSTAB	CODI	CAVOL	SCSOR	WTIN	NOSCO
350408	3-14-86	2701	SWM	54.2	1.9	5.0	8.55	1220	71.0	351	68
350409	3-17-86	2702	SWM	54.3	1.4	4.9	8.46	1275	71.0	356	69
350410	3-19-86	2656	SWM	54.4	0.9	3.7	8.47	1295	74.0	352	70
350411	3-19-86	2664	SWM	54.3	1.4	4.1	8.50	1265	72.0	350	71
350412	3-19-86	2658	SWM				8.50	1250	71.0	378	74
350413	3-20-86	2659	SWM	53.9	0.9	4.6	8.61	1260	73.0	371	72
350414	3-20-86	2660	SWM	54.1	1.2	4.6	8.54	1265	73.0	376	72
350415	3-20-86	2661	SWM	54.2	1.4	3.7	8.61	1250	72.0	380	73
350416	3-21-86	2662	SWM	52.5	1.4	6.1	8.65	1235	70.0	366	72
350417	3-21-86	2663	SWM	53.0	1.0	3.9	8.51	1255	72.0	348	72
350418	3-24-86	3352	SWM	53.4	1.4	3.8	8.61	1270	70.0	347	71
350419	3-24-86	2703	SWM	54.2	0.9	3.5	8.71	1260	72.0	364	73
350420	3-26-86	2706	SWM	54.6	0.9	3.4	8.65	1250	71.0	356	71
350421	3-27-86	2668	SWM	52.9	3.8	5.4	8.80	1260	73.0	356	71
350422	3-27-86	2669	SWM	51.6	0.9	4.9	8.54	1240	72.0	354	71
350423	3-28-86	2670	SWM	54.8	1.1	4.2	8.40	1275	71.0	352	71
350424	3-20-86	4308	SWM	54.6	1.0	3.6	8.49	1280	76.0	354	71
350425	3-20-86	4289	SWM	54.1	1.1	4.4	8.54	1235	72.0	360	71
350426	3-20-86	4290	SWM	55.4	0.9	3.1	8.29	1205	67.0	357	71
350427	3-24-86	4306	SWM	54.1	2.4	4.0	8.51	1275	72.0	360	71
350428	3-25-86	4307	SWM	54.1	1.1	3.9	8.54	1285	77.0	359	73
350429	3-28-86	4310	SWM	53.6	0.9	3.8	8.74	1245	73.0	361	72
350430	4-01-86	4311	SWM	53.6	0.7	3.4	8.70	1230	74.0	360	73
350431	4-02-86	2707	SWM	53.7	2.0	4.9	8.69	1235	71.0	358	72
350432	4-04-86	2708	SWM	54.2	1.2	4.0	8.72	1225	69.0	339	69
350433	4-03-86	3354	SWM	53.3	1.4	5.4	8.69	1310	74.0	347	70
350434	4-03-86	3353	SWM	54.5	1.2	4.1	8.67	1255	73.0	348	72
350435	4-02-86	2674	SWM	53.6	0.7	5.0	8.59	1270	73.0	335	69
350436	4-03-86	2676	SWM	53.9	3.6	6.0	8.47	1285	74.0	346	69
350437	4-03-86	2677	SWM	53.8	3.1	4.9	8.45	1265	72.0	342	71
350438	4-04-86	2679	SWM	52.6	1.6	4.9	8.65	1315	77.0	349	73
350439	4-04-86	2680	SWM	52.2	1.2	4.5	8.57	1310	78.0	347	70
350440	4-05-86	2683	SWM	52.2	1.4	5.1	8.71	1315	77.0	354	70
350441	4-07-86	2709	SWM	53.2	3.3	4.5	8.79	1305	76.0	358	70
350442	4-09-86	3251	SWM	53.6	0.9	5.4	8.52	1250	72.0	347	70

PORTLAND, OLYMPIA

LABNUM	VARIETY	IDNO	CLASS	TWT	WPROT	WMIST	F.N.	DSI	FYELD	FPROT	FASH
										1/	1/
350443	4-01-86 OLYMPIA, WA	4317	SWW	61.7	9.9	10.8	525	.056	72.1	8.3	0.38
350444	4-03-86 OLYMPIA, WA	4318	SWW	60.6	11.0	11.0	512	.051	71.4	9.0	0.40
350445	4-02-86 OLYMPIA, WA	4319	SWW	60.8	10.9	10.8	455	.059	72.1	9.0	0.41
350446	4-04-86 OLYMPIA, WA	4316	SWW	61.3	10.4	10.7	478	.056	71.4	9.0	0.40
350447	4-08-86 PORTLAND, OR	3252	SWW	60.6	11.4	10.1	514	.049	72.4	9.3	0.40
350448	4-10-86 PORTLAND, OR	3254	SWW	59.9	11.0	10.4	467	.054	70.8	9.3	0.41
350449	4-10-86 PORTLAND, OR	3255	SWW	62.8	10.0	9.3	443	.056	69.7	8.2	0.38
350450	4-11-86 PORTLAND, OR	2691	SWW	59.7	10.2	10.1	397	.070	73.0	8.6	0.41
350451	4-11-86 PORTLAND, OR	2692	SWW	61.1	9.2	10.3	388	.083	72.2	8.0	0.42
350452	4-08-86 PORTLAND, OR	3500	SWW	61.5	11.2	9.1	386	.081	74.1	9.2	0.43
350453	4-13-86 PORTLAND, OR	2693	SWW	61.0	10.5	9.6	459	.054	72.6	8.9	0.43
350454	4-14-86 PORTLAND, OR	2694	SWW	60.4	10.9	10.2	484	.054	74.1	9.3	0.45
350455	4-14-86 PORTLAND, OR	3355	SWW	60.8	10.3	10.8	474	.058	72.7	8.8	0.43
350456	4-16-86 PORTLAND, OR	3356	SWW	60.8	10.2	10.8	525	.059	72.5	8.7	0.43
350457	4-15-86 PORTLAND, OR	2695	SWW	58.9	11.0	10.3	415	.121	73.2	9.2	0.44
350458	4-16-86 PORTLAND, OR	3256	SWW	60.4	11.2	10.6	483	.055	72.2	9.3	0.45
350459	4-08-86 OLYMPIA, WA	4323	SWW	62.2	10.9	9.5	476	.060	72.5	8.9	0.44
350460	4-11-86 OLYMPIA, WA	4322	SWW	60.0	11.6	10.6	491	.057	72.1	9.4	0.45
350461	4-12-86 OLYMPIA, WA	4325	SWW	60.3	11.1	10.6	445	.063	71.6	9.7	0.43
350462	4-14-86 OLYMPIA, WA	4326	SWW	61.7	8.2	10.1	408	.106	73.6	7.5	0.44

PORTLAND, OLYMPIA

NURSCO 86

LABNUM	VARIETY	IDNO	CLASS	FABS	FPEAK	FSTAB	CODI	CAVOL	SCSOR	WTIN	NOSCO
350443	4-01-86 OLYMPIA, WA	4317	SWW	53.4	1.2	7.0	8.49	1280	74.0	356	70
350444	4-03-86 OLYMPIA, WA	4318	SWW	54.2	1.0	4.5	8.54	1245	71.0	353	71
350445	4-02-86 OLYMPIA, WA	4319	SWW	53.0	1.6	6.0	8.60	1265	73.0	348	70
350446	4-04-86 OLYMPIA, WA	4316	SWW	53.8	0.9	4.3	8.69	1255	73.0	356	70
350447	4-08-86 PORTLAND, OR	3252	SWW	53.0	2.6	6.7	8.64	1285	74.0	362	71
350448	4-10-86 PORTLAND, OR	3254	SWW	53.7	0.9	5.0	8.60	1330	78.0	365	70
350449	4-10-86 PORTLAND, OR	3255	SWW	52.7	2.9	5.1	8.55	1330	77.0	364	70
350450	4-11-86 PORTLAND, OR	2691	SWW	53.7	1.0	3.5	8.62	1245	71.0	354	70
350451	4-11-86 PORTLAND, OR	2692	SWW	52.4	1.0	3.9	8.71	1305	75.0	365	73
350452	4-08-86 PORTLAND, OR	3500	SWW	53.4	1.2	2.9	8.49	1220	70.0	352	69
350453	4-13-86 PORTLAND, OR	2693	SWW	53.5	0.9	2.9	8.44	1265	73.0	361	71
350454	4-14-86 PORTLAND, OR	2694	SWW	54.3	0.9	2.9	8.66	1260	73.0	368	70
350455	4-14-86 PORTLAND, OR	3355	SWW	54.8	1.2	3.9	8.49	1285	74.0	360	69
350456	4-16-86 PORTLAND, OR	3356	SWW	53.1	1.3	5.0	8.65	1255	72.0	366	72
350457	4-15-86 PORTLAND, OR	2695	SWW	53.6	1.0	4.1	8.56	1265	72.0	364	71
350458	4-16-86 PORTLAND, OR	3256	SWW	53.6	2.0	3.9	8.46	1295	75.0	370	69
350459	4-08-86 OLYMPIA, WA	4323	SWW	53.7	1.5	3.7	8.47	1215	70.0	359	69
350460	4-11-86 OLYMPIA, WA	4322	SWW	54.3	2.9	4.3	8.47	1275	72.0	371	69
350461	4-12-86 OLYMPIA, WA	4325	SWW	53.8	3.0	5.0	8.55	1315	76.0	365	68
350462	4-14-86 OLYMPIA, WA	4326	SWW	52.7	0.9	1.9	8.72	1200	71.0	354	75

WEST COAST

NURSCO 87

LABNUM	VARIETY	IDNO	CLASS	TWT	WPROT	WMIST	F.N.	DSI	FYIELD	FPROT	FASH
										1/	1/
350463	86/07/01 WEST COAST	2351	SWW	60.7	11.0	10.1	413	.064	73.6	9.4	0.45
350464	86/07/02 "	4642	SWW	61.1	10.8	10.2	384	.055	72.7	9.0	0.43
350465	86/07/02 "	4691	SWW	60.3	11.3	10.0	442	.066	73.7	9.7	0.43
350466	96/07/03 "	2353	SWW	61.1	9.8	10.5	454	.048	73.6	8.4	0.44
350467	96/07/03 "	2354	SWW	60.5	10.1	11.0	452	.048	72.9	8.7	0.42
350468	96/07/03 "	2355	SWW	60.9	10.1	10.4	463	.047	73.5	8.4	0.43
350469	96/07/03 "	4689	SWW	60.5	10.0	10.2	491	.058	73.7	8.8	0.44
350470	86/07/06 "	4688	SWW	61.0	10.6	9.7	430	.054	73.5	9.2	0.44
350471	86/07/06 "	4690	SWW	60.7	10.7	10.6	378	.076	73.3	8.9	0.44
350472	96/07/08 "	2253	SWW	60.2	11.0	10.1	418	.064	73.7	9.3	0.45
350473	86/07/14 "	2255	SWW	59.8	10.9	10.1	425	.058	72.3	9.0	0.45
350474	86/07/14 "	2259	SWW	60.5	10.7	9.8	411	.061	73.6	9.0	0.45
350475	86/07/14 "	4731	SWW	60.8	10.5	10.6	401	.089	72.3	8.9	0.40
350476	"	2357	SWW	61.0	10.6	10.1	481	.048	72.6	9.0	0.41
350477	86/07/15 "	2359	SWW	60.2	10.2	10.4	429	.055	71.6	8.9	0.42
350478	86/07/15 "	2360	SWW	60.8	10.7	9.6	315	.189	72.5	9.1	0.42
350479	86/07/17 "	2361	SWW	60.4	10.6	9.9	461	.054	70.5	9.1	0.40
350480	86/07/17 "	2362	SWW	61.5	10.6	9.6	440	.049	72.6	8.4	0.41
350481	86/07/17 "	2363	SWW	61.9	9.5	10.1	441	.058	70.4	9.4	0.39
350482	86/07/17 "	2364	SWW	61.0	9.0	10.5	454	.057	71.7	7.9	0.42
350483	86/07/17 "	2365	SWW	61.1	10.4	9.5	510	.059	71.3	8.8	0.41
350484	86/07/20 "	2260	SWW	59.6	10.3	10.6	304	.275	71.5	8.8	0.41
350485	86/07/20 "	2261	SWW	60.8	10.5	10.2	399	.061	72.2	9.1	0.41
350486	86/07/20 "	2262	SWW	61.6	10.4	9.6	426	.069	74.7	9.1	0.44
350487	86/07/21 "	4735	SWW	61.3	9.0	10.1	420	.063	74.2	8.2	0.44
350488	86/07/23 "	2366	SWW	61.2	10.2	9.8	464	.049	73.3	8.7	0.43
350489	86/07/23 "	2367	SWW	60.9	11.1	9.3	442	.052	74.1	9.4	0.44
350490	86/08/06 "	2388	SWW	61.7	9.7	9.8	361	.079	74.5	8.6	0.46
350491	86/07/23 "	2371	SWW	61.4	10.9	9.3	512	.051	73.7	9.2	0.42
350492	86/07/25 "	4738	SWW	61.3	9.7	10.4	457	.055	73.4	8.4	0.44
350493	86/07/29 "	2375	SWW	61.8	10.2	10.2	387	.056	73.4	9.0	0.41
350494	86/07/29 "	3357	SWW	61.9	10.5	10.6	427	.056	74.0	9.2	0.43
350495	86/07/29 "	3359	SWW	61.9	9.8	10.8	435	.058	73.8	8.7	0.44
350496	86/07/29 "	3361	SWW	62.3	9.9	11.2	439	.061	74.1	8.4	0.43
350497	86/07/30 "	2723	SWW	61.2	10.3	10.1	389	.066	74.1	9.0	0.43

1/ Observed Values Corrected to 14% Moisture Basis.

5/ Particularly Promising Overall Quality Characteristics.

3/ Absorption at 14% Moisture Corrected to 9% Protein.

6/ Promising Overall Quality Characteristics.

4/ Observed Values Corrected to 9% Protein.

WEST COAST

NURSCO 87

LABNUM	VARIETY	IDNO	CLASS	FABS	FPEAK	FSTAB	CODI	CAVOL	SCSOR	WTIN	NOSCO
350463	86/07/01	2351	SWW	54.5	1.0	3.0	8.92	1200	67.0	355	70
350464	86/07/02	4642	SWW	55.0	1.6	4.7	8.74	1260	72.0	351	70
350465	86/07/02	4691	SWW	54.4	2.0	4.2	8.76	1270	71.0	352	70
350466	96/07/03	2353	SWW	54.9	0.7	3.3	8.74	1240	71.0	353	71
350467	96/07/03	2354	SWW	54.3	1.2	3.8	8.85	1295	73.0	362	72
350468	96/07/03	2355	SWW	54.8	1.1	3.2	8.67	1265	72.0	354	70
350469	96/07/03	4689	SWW	53.7	0.9	3.2	8.69	1260	74.0	354	74
350470	86/07/06	4688	SWW	54.2	2.3	3.7	8.77	1255	73.0	346	73
350471	86/07/06	4690	SWW	54.2	1.0	3.1	9.01	1240	73.0	346	74
350472	96/07/08	2253	SWW	54.3	2.2	3.0	8.86	1240	71.0	366	73
350473	86/07/14	2255	SWW	54.5	1.0	4.1	8.77	1215	71.0	345	72
350474	86/07/14	2259	SWW	54.3	2.0	3.3	8.80	1260	74.0	356	74
350475	86/07/14	4731	SWW	53.6	1.0	5.3	8.89	1205	69.0	344	73
350476	86/07/15	2357	SWW	54.1	0.7	3.8	8.87	1250	73.0	367	73
350477	86/07/15	2359	SWW	53.4	1.0	4.3	8.96	1235	70.0	359	73
350478	86/07/15	2360	SWW	54.1	0.8	3.8	8.97	1235	72.0	355	71
350479	86/07/17	2361	SWW	54.3	0.8	5.1	8.70	1275	73.0	355	71
350480	86/07/17	2362	SWW	55.1	1.2	4.8	8.77	1215	70.0	358	71
350481	86/07/17	2363	SWW	52.6	1.5	5.6	9.04	1295	74.0	352	75
350482	86/07/17	2364	SWW	53.3	1.0	3.4	9.01	1210	70.0	357	74
350483	86/07/17	2365	SWW	54.1	1.2	4.2	8.86	1235	70.0	347	74
350484	86/07/20	2260	SWW	54.1	1.8	4.6	8.92	1305	77.0	354	73
350485	86/07/20	2261	SWW	54.3	1.5	4.5	8.86	1290	75.0	353	73
350486	86/07/20	2262	SWW	54.5	2.1	3.8	8.50	1230	71.0	356	73
350487	86/07/21	4735	SWW	52.9	1.3	4.0	8.70	1245	73.0	359	73
350488	86/07/23	2366	SWW	54.3	1.1	4.2	8.85	1240	70.0	347	69
350489	86/07/23	2367	SWW	54.2	1.8	3.5	8.54	1270	74.0	345	72
350490	86/08/06	2388	SWW	54.6	2.0	2.5	8.85	1280	74.0	343	74
350491	86/07/23	2371	SWW	54.1	1.5	3.5	8.74	1275	72.0	353	74
350492	86/07/25	4738	SWW	53.8	2.8	4.5	8.61	1270	73.0	344	74
350493	86/07/29	2375	SWW	54.3	1.4	4.5	8.77	1265	70.0	337	72
350494	86/07/29	3357	SWW	52.8	2.2	3.6	8.67	1235	71.0	356	74
350495	86/07/29	3359	SWW	54.4	2.0	4.1	8.76	1240	70.0	346	73
350496	86/07/29	3361	SWW	53.0	0.9	3.4	8.77	1240	71.0	355	73
350497	86/07/30	2723	SWW	53.6	1.7	5.4	8.87	1240	69.0	362	72

NURSCO 87

WEST COAST

LABNUM	VARIETY	IDNO	CLASS	TWT	WPROT	WMIST	P.N.	DSI	FYELD	FPROT	FASH
										1/	1/
350498 86/07/30 "		2724	SWM	60.0	10.9	9.6	368	.059	74.0	9.4	0.42
350499 86/08/06 "		4749	SWM	61.4	10.3	9.8	402	.057	73.5	8.9	0.42
350500 86/08/01 "		2378	SWM	61.3	10.2	10.9	450	.060	72.2	8.9	0.40
350501 86/08/01 "		2725	SWM	61.6	9.7	10.0	337	.180	72.2	8.3	0.40
350502 86/08/01 "		2726	SWM	61.0	10.6	10.0	465	.058	73.2	9.0	0.40
350503 86/08/01 "		3363	SWM	61.4	10.3	9.8	448	.053	73.0	8.6	0.42
350504 86/08/01 "		3364	SWM	61.9	9.7	10.7	392	.076	74.4	8.7	0.41
350505 86/08/06 "		2390	SWM	61.4	9.7	10.4	343	.168	72.5	8.6	0.41
350506 86/08/06 "		2389	SWM	61.2	9.8	10.2	458	.060	74.4	8.3	0.43
350507 86/08/03 "		2383	SWM	62.2	9.7	10.4	474	.067	72.8	8.2	0.46
350508 86/08/03 "		2384	SWM	62.0	10.0	10.1	479	.069	73.3	9.1	0.43
350509 86/08/03 "		2385	SWM	61.5	10.2	9.8	527	.054	73.8	8.8	0.43
350510 86/08/03 "		3270	SWM	61.2	10.9	9.8	397	.156	74.8	9.2	0.42
350511 86/08/03 "		4745	SWM	61.4	10.1	10.0	565	.068	73.6	9.1	0.43
350512 86/08/07 "		2392	SWM	61.2	8.7	10.5	564	.078	74.5	7.8	0.43
350513 86/08/07 "		3365	SWM	61.6	10.3	10.2	317	.454	73.0	8.6	0.43
350514 86/08/09 "		3367	SWM	62.2	10.4	10.7	595	.085	74.7	8.6	0.43
350515 86/08/05 "		2731	SWM	61.6	9.5	10.0	558	.068	74.7	8.7	0.43
350516 86/08/06 "		2386	SWM	61.2	10.2	10.0	579	.083	73.3	8.2	0.41
350517 86/08/06 "		2387	SWM	61.3	10.9	10.3	482	.084	73.2	8.8	0.43

WEST COAST

NURSCO 87

LABNUM	VARIETY	IDNO	CLASS	FABS	FPEAK	FSTAB	CODI	CAVOL	SCSOR	WTIN	NOSCO
350498	86/07/30 "	2724	SWW	54.6	2.3	4.3	8.84	1235	70.0	351	72
350499	86/08/06 "	4749	SWW	54.8	1.0	4.3	8.87	1300	74.0	354	73
350500	86/08/01 "	2378	SWW	54.9	0.8	4.0	8.84	1290	76.0	347	71
350501	86/08/01 "	2725	SWW	54.8	1.2	3.7	8.75	1270	71.0	354	73
350502	86/08/01 "	2726	SWW	53.9	1.4	3.9	8.76	1265	73.0	366	72
350503	86/08/01 "	3363	SWW	53.7	1.5	3.7	8.84	1215	68.0	351	71
350504	86/08/01 "	3364	SWW	55.6	0.8	2.5	8.75	1290	75.0	355	74
350505	86/08/06 "	2390	SWW	55.9	0.9	2.4	8.62	1255	72.0	347	73
350506	86/08/06 "	2389	SWW	55.2	0.8	2.3	8.91	1245	73.0	364	74
350507	86/08/03 "	2383	SWW	53.8	0.9	2.3	8.85	1245	70.0	339	73
350508	86/08/03 "	2384	SWW	55.6	1.3	3.2	8.75	1210	69.0	346	71
350509	86/08/03 "	2385	SWW	54.2	2.5	3.7	8.76	1300	76.0	353	73
350510	86/08/03 "	3270	SWW	55.0	0.8	2.8	8.76	1245	73.0	346	73
350511	86/08/03 "	4745	SWW	55.9	0.6	2.1	8.69	1225	69.0	350	73
350512	86/08/07 "	2392	SWW	53.5	1.4	3.3	8.97	1220	72.0	347	74
350513	86/08/07 "	3365	SWW	55.6	1.0	3.0	8.55	1245	72.0	350	73
350514	86/08/09 "	3367	SWW	56.3	0.8	3.2	8.56	1280	74.0	345	73
350515	86/08/05 "	2731	SWW	54.6	1.6	3.7	8.84	1255	73.0	345	73
350516	86/08/06 "	2386	SWW	55.8	1.3	3.8	8.91	1280	75.0	341	72
350517	86/08/06 "	2387	SWW	55.6	2.2	3.2	8.80	1255	74.0	349	72

